

MEMORIA Y SUS ANEJOS.

ANEJO Nº 11: INSTALACIÓN ABASTECIMIENTO

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1. ANTECEDENTES Y OBJETO

En este anejo se describen las características de la red de abastecimiento de agua potable y riego correspondiente al proyecto de urbanización del Sector S.1.05b de Cáceres.

La red de agua potable e hidrantes tiene la misión de conducir el agua potable a la totalidad de las parcelas establecidas en el Plan Parcial. Los hidrantes serán de uso exclusivo de los bomberos y serán del tipo enterrado bajo acera.

Las dotaciones de caudal necesarias para realizar las labores de limpieza de viales y riego, se tomarán de la red de agua potable, en aquellos puntos que se proyectan específicamente para este fin.

Conforme a los estudios desarrollados con personal del Excmo. Ayuntamiento de Cáceres, se dispone la acometida a la red existente en los cuatro puntos detallados en planos. En los puntos considerados se ha facilitado unas presiones de servicio de 9,00 kg/cm², que son las utilizadas para realizar los cálculo hidráulicos dentro de la red de abastecimiento de la nueva urbanización. Los suministros existentes serán desviados a la nueva instalación proyectada una vez ejecutadas las correspondientes obras.

Se proyecta una red de distribución mallada con tubería de fundición, garantizando en todo momento una presión mínima de 30 m.c.a. (3,00 Kg/cm²) en los nudos de consumo.

2. NORMATIVAS Y DISPOSICIONES CONSIDERADAS

La normativa considerada para el diseño de la red de abastecimiento es la siguiente:

- R.D. 1/2001, de 20 de julio, por el que se aprueba el texto refundido de la Ley de Aguas.
- R.D. 140/2003, de 7 de febrero, por el que se establecen los criterios sanitarios de la calidad del agua de consumo humano.
- Pliego de Prescripciones Técnicas Generales para Tuberías de Abastecimiento de Agua. Orden de 28 de julio de 1974, BOE del 2 de octubre de 1974, nº 236.
- Planeamiento Municipal de Cáceres.
- R.D. 2267/2004 de 3 de diciembre, por el que se aprueba el Reglamento de seguridad contra incendios en los establecimientos industriales.
- R.D. 314/2006, de 17 de marzo, por el que se aprueba el código Técnico de la Edificación.
- Normas para redes de abastecimiento de la empresa suministradora.

- Reglamento del servicio de abastecimiento de agua del Excmo. Ayuntamiento de Cáceres.

3. METODOLOGÍA DE ACTUACIÓN Y DESCRIPCIÓN DE LA INSTALACIÓN

Para la realización del diseño y cálculo de la red de abastecimiento de agua potable, se ha recogido la siguiente información:

- Planeamiento vigente.
- Plano altimétrico de la zona.
- Planos de ordenación y clasificación del suelo.
- Planos de situación de todos los servicios e instalaciones subterráneas y aéreas.
- Características máximas de población y superficie edificable.
- Alternativas de puntos de suministro de agua potable de la actual red municipal.
- Ordenación propuesta en el Plan Parcial.
- Alternativas de trazados de la nueva red de abastecimiento de agua potable.

Se han analizado las normativas de aplicación, para obtener las necesidades de abastecimiento de agua potable tanto en cantidad como en calidad.

Es necesario partir de unos valores de caudales estimados de consumo, y para ello, hemos tomado los siguientes valores:

Número máximo de usuarios previstos.	3976	hab
Dotación de cálculo.	300	l/hab/día
Coeficiente de hora punta.	2,4	
Consumo medio diario (C.M.D) = usuarios x dotación de cálculo.	1.192.800	l/día
Caudal punta de consumo.	33,13	l/seg
Caudal hidrantes de incendios (2 hidrantes).	16,60	l/seg/hidrante
Caudal para riego (sector más desfavorable).	19,50	l/seg/sector

A efectos de cálculo de los diámetros diseñados, se deberá incrementar el caudal punta de consumo, los caudales de dos hidrantes próximos a una zona de incendio, siendo el caudal de cada uno de ellos como mínimo de 16,60 l/seg.

En cuanto al caudal demandado por la red de riego, éste será diferente para cada uno de los cuatros sectores en los que se divide la misma, utilizando para su cálculo las combinaciones de hipótesis señaladas en el Anejo Nº26. Jardinería y Mobiliario Urbano. Ahora bien, para el cálculo del caudal punta de consumo total para el Sector 1.05.b., se emplea el más desfavorable de los cuatro sectores, que asciende a un total de 19,50 l/s. Por lo tanto, el caudal punta de consumo total para el Sector S.1.05b será:

- Caudal punta de consumo: 33,13 l/s
- Caudal de dos hidrantes: 16,60 l/s x 2 = 33,20 l/s
- Caudal de riego sector más desfavorable = 19,50 l/s
- **Caudal punta de consumo total = 85,83 l/s**

Además de calcular el caudal punta de consumo utilizando la tabla anterior, se ha calculado siguiendo lo establecido por el Reglamento del Servicio del Agua, en cuanto a dotaciones, según tipos de viviendas, suelo dotacional, terciario, industrial, zonas de riego, coeficientes punta, etc., quedando el valor del caudal punta calculado en proyecto por encima de lo calculado según el Reglamento, por lo que estamos del lado de la seguridad al utilizar un caudal superior, tal y como se añade en la siguiente comparativa:

TERCIARIO (m ²)	46003
VIVIENDAS (ud)	994
PROYECTO	
DOTACIONES	
DOTACIÓN VIVIENDA	300 l/hab día
DOTACIÓN TERCIARIO	
DOTACIÓN ZONA VERDE	21954 m ² 2,1954 Ha
CAUDAL VIVIENDAS	3976 hab 49,70 m ³ /h 1192,8 m ³ /día
TERCIARIO	- m ³ /h - m ³ /día
REGLAMENTO	
	unifam. multifam.
	318 676
	1,2 1
	m ³ /viv/día m ³ /viv/día
	8,64 l/m ² día 0,00036 m ³ /m ² h
	21954 m ² 2,1954 Ha
	18 m ³ /Ha/día
	44,07 m ³ /h 1057,60 m ³ /día
	16,56 m ³ /h 397,47 m ³ /día

DOTACIÓN RIEGO	Combinación Hipótesis 4 sectores Sector + desfav. = 19,50 l/s = 70,20 m ³ /h	1,65 m ³ /h 39,52 m ³ /día
TOTAL	119,90 m ³ /h 33,31 l/s	62,27 m ³ /h 17,30 l/s
PUNTA	2,4 189,48 m ³ /h 52,63 l/s	Cp = 1,8 (1+(1/Qm)0,5)<3 2,23 139,04 m ³ /h 38,62 l/s
CAUDAL CÁLCULO PUNTA PROYECTO		CAUDAL CÁLCULO REGLAMENTO
ABASTECIMIENTO punta	52,63 l/s	38,62 l/s
x 2	16,60 l/s	16,60 l/s
Hidrantes total	85,83 l/s	71,82 l/s

La red de agua potable se ha diseñado en anillo, perimetralmente a todas las manzanas de parcelas. Se ejecutara con tubería de fundición dúctil de diámetro 100 mm, 150 mm, 200 y 250 mm, y se ajustarán a las especificaciones de la Norma UNE-EN 545.

El trazado de las tuberías se realizara por las aceras, conforme a lo indicado en los planos correspondientes.

La red dispondrá de válvulas de tipo compuerta, con cierre elástico y husillo de acero inoxidable. Las válvulas serán de fundición dúctil y para su montaje se utilizarán las piezas correspondientes y necesarias para su conexión a la tubería de fundición dúctil. Estas válvulas son imprescindibles para realizar cortes en la red en caso de averías o sustitución de alguna pieza o tramo de la misma, permitiendo el suministro en el resto de la red.

Todas las válvulas serán del diámetro adecuado en función del diámetro de la tubería a la que acometan. Dichas válvulas se disponen enterradas y con trampillones.

También se prevén piezas especiales, ventosas trifuncionales y desagües, para colocarlas tanto en los puntos altos como bajos de la red, y de este modo permitir la salida del aire en el caso de las ventosas y el vaciado en el caso de los desagües. La funcionalidad de los desagües podrá ser sustituida parcialmente mediante el uso de hidrantes.

Se colocarán hidrantes enterrados con tapas de fundición según modelo municipal, separados a una distancia máxima de 300 metros.

4. CONDICIONES TÉCNICAS Y CALIDAD DE MATERIALES

Los materiales de los distintos elementos que conforman la red de distribución de agua potable deben cumplir los siguientes requisitos:

CALIDAD DE MATERIALES

TUBERÍA DE FUNDICIÓN DÚCTIL PARA DIÁMETROS > 80 MM	
Características del material	Fundición dúctil de características según norma UNE-EN 545:2011.
Tipo de tubo	Tubo con extremos enchufe y liso.
Espesor de la pared	Clase de espesor = C-30 (según UNE-EN 545).
Dimensiones y tolerancias	Según norma UNE-EN 545.
Longitud	5,5 o 6 m para DN entre 60 y 800 mm.
Marcado	Según norma UNE-EN 545.
Tipo de unión	Unión flexible con junta de estanqueidad de goma natural o sintética en conformidad con la norma ISO 4633-1983.
Revestimiento interior	Mortero de cemento según la ISO 4179-1985. El espesor medio mínimo será de 2,50 mm.
Revestimiento exterior	Acabado en zinc-aluminio, con una cantidad de cinc depositada no inferior a 200 g/m². Después del cincado los tubos serán revestidos por una pintura bituminosa, cuyo espesor será no inferior a 70 micras.
REQUERIMIENTOS ADICIONALES	
El tubo se suministrará con tapones de protección en ambos extremos.	
ENSAYOS A SATISFACER	
Los ensayos especificados en la norma UNE-EN 545. El fabricante presentará la documentación oficial que lo acredite.	

VÁLVULAS DE COMPUERTA DE FUNDICIÓN DÚCTIL PARA DIÁMETROS > 80 MM	
Presión nominal	16 bar. conforme a la norma UNE-EN 1333:1996.
Taladrado bridas	Según UNE-EN 1092-2.
Distancia entre bridas	Según UNE-EN 558-1.
Paso	Total con obturador abierto.
Maniobra	Manual
Sentido de cierre	Horario.
MATERIALES (Calidades mínimas)	
Cuerpo y tapa	Fundición dúctil que cumplirá la normativa GS-400.15 según AENOR NF A 32.201.
Revestimiento	Externo e interno mediante empolvado epoxi con un espesor mínimo de 150 micras.
Compuerta	Fundición dúctil revestida enteramente de elastómero (EPDM o SBR).
Eje de maniobra	Acero Inoxidable forjado en frío al 13% de cromo.
Tuerca de maniobra	Aleación de cobre.
Juntas tóricas	Elastómero EPDM, NBR o SBR.
REQUERIMIENTOS ADICIONALES	
Cuerpo y tapa	<ul style="list-style-type: none">No se admitirán asientos de estanqueidad añadidos ni ningún tipo de mecanización; paso rectilíneo en la parte inferior.Tendrá un sistema de guías laterales para asegurar el desplazamiento de la compuerta.Permitirá remplazar el mecanismo de apertura/cierre sin desmontar la válvula de la instalación.Presentará estanqueidad total.Dispondrá de una base de apoyo.
Compuerta	<ul style="list-style-type: none">Presentará un alojamiento para la tuerca de maniobra que impedirá su movimiento durante la apertura/cierre.En posición abierta no se producirán vibraciones.
Eje	<ul style="list-style-type: none">Estará realizado en una única pieza.No podrá desplazarse durante la maniobra.El paso de rosca será de entre 5 y 6 mm.

VENTOSAS	
Presión nominal	16 bar. conforme a la norma UNE-EN 1333:1996.
Taladrado bridas	Según UNE-EN 1092-2.
Distancia entre bridas	Según UNE-EN 558-1.
Tipo	Trifuncional.
MATERIALES (Calidades mínimas)	
Cuerpo y tapa	Fundición dúctil que cumplirá la normativa GC-400.15.
Revestimiento	Externo e interno mediante empolvado epoxy con un espesor mínimo de 150 micras.
Compuerta	Fundición dúctil revestida enteramente de elastómero (EPDM o SBR).
Tornillería cuerpo/tapa	Acero clase 8-8 cincado.
Eje de maniobra	Acero Inoxidable al 13% de cromo.
Flotadores	Acero latonado revestido de elastómero.
Tobera o purgador de control	Latón estirado.
Tuerca de maniobra	Latón estampado con revestimiento epoxi de espesor mínimo 300 micras.
REQUERIMIENTOS ADICIONALES	
<ul style="list-style-type: none"> El cierre se producirá por presión de una bola flotadora de material plástico contra el asiento del cuerpo, o bien por válvula accionada por un flotador interior. 	

DESAGÜES

Todo polígono que pueda quedar aislado mediante válvulas de seccionamiento dispondrá de uno o más desagües en los puntos de inferior cota. Esta medida será obligatoria en tuberías a partir de diámetro 200 mm, pudiendo sustituirse su funcionalidad de forma parcial con el desagüe a través de hidrantes o bocas de incendios.

Los desagües se equiparán con válvulas de seccionamiento de inferior diámetro que las tuberías de abastecimiento a que corresponda el polígono, realizándose el vaciado mediante acometida a la red de alcantarillado o a través de cámara con vertido al exterior (cauce o arroyo natural). En ambos casos deberá evitarse el retorno del caudal vertido, bien con válvula de retención o realizando el vertido a nivel inferior al de la tubería principal y asegurándose que no se producirán succiones por vaciado de la tubería. En zonas urbanas, siempre que sea factible, se acometerán a la red de alcantarillado.

Las conducciones a la red de alcantarillado se efectuarán teniendo buen cuidado de no dañar el buen funcionamiento del mismo, y en el caso de no poderse conducir los caudales a registros de la red de alcantarillado, se llevarán a lugares en que el desagüe no origine daños a terceros.

Las descargas se instalarán, en lo posible, junto a la válvula de seccionamiento del punto más bajo del sector de la red que se aísla. El desagüe debe permitir el vaciado total de la tubería.

En tuberías de diámetro igual o superior a 600 mm. se instalarán dos válvulas, una de mariposa y otra de compuerta, ésta aguas arriba de la primera, siendo la de mariposa la que habrá de maniobrarse para la operación de vaciado, permaneciendo la de compuerta en posición de abierta. La de compuerta se accionará en casos de operaciones de reparación, mantenimiento o sustitución de la mariposa, para la que no será necesario vaciar completamente el tramo de tubería o polígono a que corresponda. Entre ambas válvulas se instalará un carrete de desmontaje.

Como norma general se adoptarán los siguientes diámetros de desagüe en relación con el diámetro de la tubería a desaguar:

DIÁMETRO DE LA TUBERÍA (MM)	DIÁMETRO DEL DESAGÜE (MM)
200 e inferiores	80
200 < diámetro < 400	100

Todas las descargas se alojarán en cámaras que permitan la maniobra de la válvula con facilidad.

HIDRANTES

En el sistema de lucha contra incendios situado en el exterior de los edificios, cuya finalidad es el suministro de agua a mangueras o monitores directamente acoplados a él, o bien a tanques o bombas del servicio de extinción. Dada su naturaleza de servicio en situaciones de emergencia deberá encontrarse permanentemente conectada a la red de distribución, siempre en carga.

El hidrante se conectará a la red mediante acometida independiente para cada uno, siendo el diámetro de la misma igual, como mínimo al del hidrante. La instalación del hidrante dispondrá de válvula de cierre de compuerta.

Los hidrantes se situarán en lugares estratégicos, fácilmente accesibles a los Servicios de Extinción de Incendios y debidamente señalizados conforme a la Norma UNE 23-033.

Los hidrantes de incendio, deberán cumplir lo especificado al respecto en el Código Técnico de la Edificación.

El hidrante será del tipo denominado Hidrante Contra incendios de Columna. El sistema de

apertura de husillo constará de dos bocas de salida de 70 mm y una de 100 mm. En la parte inferior del hidrante se instalará una válvula de desagüe cuya apertura o cierre se efectúa fácilmente desde el exterior al accionar la manivela; función que permite un vaciado rápido y seguro del hidrante una vez concluida su misión.

Los hidrantes se acometerán sobre conducciones con un diámetro mínimo de 100 mm; tan solo en casos excepcionales que así lo requieran se realizará la instalación sobre tuberías de menor diámetro y siempre contando con el visto bueno y supervisión de la entidad suministradora. La válvula en la conexión con la red general ha de ser de igual diámetro que el hidrante.

BOCAS DE RIEGO

Las nuevas redes de riego que se instalen para baldeo de calles o riego de jardines, constituirán redes de agua independientes de la red general de agua potable. Constarán de un único ramal de acometida a la red general, en el que se instalará un contador de diámetro apropiado para medir los caudales consumidos en estos usos.

En cada derivación debe instalarse una llave de corte que permita dejar aislado el ramal que abastece al conjunto de bocas de riego respecto a la red de distribución de agua potable. De esta forma, se podrá reparar en caso de avería, sin tener que interrumpir el servicio de distribución.

El diámetro de la conexión a la red de distribución debe calcularse para un caudal de 5 a 7 l/s que es el correspondiente a una boca, ya que su funcionamiento no es simultáneo. Se fija como diámetro mínimo para cada serie de bocas de riego el de 80 mm.

De cualquier forma, el número de bocas de cada serie y sus características se proyectará de acuerdo con lo que marque la sección de Parques y Jardines del Municipio, siendo competencia de el Excmo. Ayuntamiento la aprobación de la conexión a la red y la realización del entronque.

Se instalarán las bocas de riego en parques y jardines exclusivamente, salvo que se dicten normas municipales en contra.

Para la limpieza de calles no se utilizarán las bocas de riego, sino que existirán una serie de puntos controlados y determinados por la entidad suministradora, donde se llenarán las cubas de agua para realizar este servicio.

ACOMETIDAS

Las acometidas serán aquellas instalaciones compuestas por valvulería, accesorios y conducción, que enlazan la red de distribución con la instalación interior del inmueble.

Su instalación, conservación y manejo será realizada exclusivamente por la entidad suministradora. El coste de su ejecución será satisfecho por el peticionario y/o usuario, así como

las maniobras que deban ejecutarse por mandato de éste.

Cada finca o edificio tendrá su propia acometida, que normalmente accederá por zona de común acceso. En caso de ser necesarias instalaciones contraincendio, éstas estarán completamente independizadas de las correspondientes a otros usos; contando con un enganche propio sobre la conducción de distribución y un aljibe de dimensiones suficientes y que no podrá ser destinado o compartido con otros usos. En casos justificables, la entidad suministradora podrá admitir la ejecución de una sola conexión a la tubería general a partir de la cual se bifurcarán la alimentación de la instalación contra incendios y el resto de los consumos. En este caso el diámetro de la acometida vendrá dado por los requerimientos de la instalación de incendios, más exigentes en lo que se refiere a caudales instantáneos.

En cuanto a sus elementos, se instalarán collarines sobre la tubería, y se realizará la perforación de la misma con taladros y brocas, nunca con cincel o punzón. El collarín se colocará de forma que el tramo de acometida que va hasta la arqueta, vaya lo más perpendicular posible a la canalización existente, con el objeto de que en un futuro sea fácilmente localizable desde la arqueta. Sobre el collarín se colocará una válvula en escuadra con registro practicable en la rasante del pavimento.

En la acera, frente a la vivienda a abastecer, se instalará la llave de registro de la acometida, que será alojada en el interior de una arqueta de obra, cuya parte superior irá cerrada con una placa de hierro fundido o fundición dúctil. La existencia de esta llave permite dejar fuera de servicio la acometida cuando así convenga.

Su maniobra será exclusivamente a cargo de personal de la entidad suministradora, sin que pueda ser manipulada por personas ajenas a la compañía.

La llave de registro, con ésta inclusive, determina los límites de la responsabilidad del mantenimiento de las acometidas por parte de la entidad suministradora. A partir de dicha llave de paso se prolonga la instalación mediante la utilización de tubería del mismo tipo y diámetro igual o superior que el tramo anterior (tubo de alimentación), hasta alcanzar el alojamiento donde se ubicará el contador.

Toda vez llegado al alojamiento dispuesto para el medidor, se instalará una válvula de entrada de paso, el contador de medida, el grifo de comprobación y una válvula de salida con dispositivo antirretorno, con objeto de evitar el paso de agua del interior de la finca a la red general.

La llave de registro irá en arqueta con marco y tapa de fundición (en suelo).

PIEZAS ESPECIALES

Las piezas especiales (codos, tes, etc.,...) estarán fabricadas en el mismo material que la tubería a instalar. El sistema de unión permitirá el perfecto acoplamiento con la parte lisa de los tubos.

En general deberán cumplir las especificaciones que se concretan en las normas internacionales ISO 2531-91.

Interior y exteriormente las piezas estarán recubiertas con pintura bituminosa de forma que el espesor medio de la capa sea superior a 70 micras.

Todas las piezas llevarán de origen las siguientes marcas:

- Diámetro nominal
- Tipo de unión
- Fabricante y Año
- Ángulo de codos
- Material
- Bridas

En el caso de que las piezas se presenten con algún tipo de defecto en el momento de su recepción en obra o no cumplan las características especificadas, no se considerarán aptas para ser instaladas en la red de distribución de agua potable.

No se podrán utilizar en instalaciones de la red accesorios de fundición gris, así como accesorios de calderería de acero realizados en talleres, tales como conos, carretes, codos, elementos de desmontaje, etc., que no estén normalizados.

MONTAJE DE CODOS, DERIVACIONES Y PIEZAS ESPECIALES

En los codos, cambios de dirección, reducciones, derivaciones y en general todos los elementos de la red que estén sometidos a empujes debidos a la presión del agua, que puedan originar movimientos, se deberá realizar un anclaje, a tracción o compresión, o dotar a las uniones con juntas resistentes a la tracción.

Según la importancia de los empujes y la situación de los anclajes, éstos serán de hormigón de resistencia característica de al menos 175 Kg/cm² o metálicos, establecidos sobre terrenos de resistencia suficiente y con el desarrollo preciso para evitar que puedan ser movidos por los esfuerzos soportados.

Los apoyos deberán ser colocados de forma tal, que las juntas de las tuberías y de los accesorios sean accesibles para su posible reparación y/o desmontaje.

Los elementos metálicos que se utilicen para el anclaje de la tubería deberán estar protegidos

contra la corrosión.

No se podrán utilizar en ningún caso cuñas de piedra o de madera como sistema de anclaje.

Cuando las pendientes sean excesivamente fuertes o puedan producirse deslizamientos, se efectuarán los anclajes precisos de las tuberías mediante hormigón armado, abrazaderas metálicas, o bloques de hormigón suficientemente cimentados en terreno firme.

Las válvulas también deberán anclarse con hormigón armado, ya que cuando están cerradas actúan hidráulicamente como una brida ciega, soportando los mismos empujes.

Si la válvula es de compuerta y no va unida a una te o codo, el anclaje deberá realizarse sobre la válvula propiamente dicha y no sobre las uniones, hormigonando la base de la pieza junto con la base de la arqueta a modo de soporte. Nunca deberán existir los soportes de bloque o ladrillo sueltos o de maderas.

Si la válvula va unida a una te o codo, deberá realizarse el anclaje a tracción y compresión.

Las válvulas de mariposa que no vayan unidas a ninguna pieza anclada deberán unirse a un carrete aguas arriba antes de unirse a brida-liso o brida-enchufe que le une a la tubería. Este carrete deberá anclarse a tracción, lo que se realiza hormigonando unas garras de acero al conjunto de la arqueta.

OBRA CIVIL**1. ZANJAS**

El diámetro de las tuberías proyectadas es superior a 80 mm, por lo que se respetarán las siguientes dimensiones:

DIMENSIONES ZANJAS			
DIÁMETRO	ANCHO INFERIOR	ANCHO SUPERIOR	PROFUNDIDAD
80	0,60	0,60	0,80
100	0,60	0,60	1,00
150	0,60	0,60	1,20
200	0,60	0,70	1,20
250	0,60	0,80	1,40
300	0,80	1,00	1,50

En las zonas de unión entre tubos, deberá ampliarse la profundidad y anchura de la zanja en función del tipo de junta empleada.

El ancho de la zanja será como mínimo de 60 cm en la base, debiendo dejar como mínimo un espacio de 12 cm a cada lado del tubo.

La tubería se apoyara sobre una cama de arena de espesor 10 cm, que será extendida antes de la colocación de los tubos. Una vez colocada la tubería, se recubrirá de arena hasta 10 cm sobre la generatriz superior del tubo. El resto de la zanja se rellenará con materiales adecuados o seleccionados, por tongadas sucesivas de espesor uniforme no superior a 30 cm y sensiblemente horizontales. Todas las tongadas se compactarán al 100% del Próctor Modificado.

En los cruces bajo calzadas, la tubería podrá colocarse embebida en una tubería de protección de hormigón recubierta a su vez de hormigón HM-20 en un espesor de 20 cm por encima de la generatriz superior, rellenando el resto de la zanja con material procedente de la excavación.

Se realizarán pruebas de presión y estanqueidad sobre las tuberías instaladas, conforme a la normativa UNE-EN 805:2000.

No deberán transcurrir más de 8 días entre la apertura de la zanja y la colocación de la tubería. En el caso de que este plazo no pudiese cumplirse o bien el terreno fuera poco compacto y propenso a desprendimientos, se dejará sin excavar unos 20 cm sobre la solera definitiva, para realizar posteriormente su acabado.

Si la tierra excavada no pudiese ser reutilizada para el tapado de la zanja, se deberá retirar de la zona de obras y llevar a vertedero, cumpliendo siempre la normativa municipal a este respecto.

Se tendrá especial cuidado durante la excavación, de no dañar otras instalaciones existentes en el subsuelo, tomando las medidas de precaución necesarias, ya sea mediante el pase de un aparato de detección electrónica u otro sistema.

2. ARQUETAS

Las arquetas podrán ser prefabricadas o ejecutadas in situ. Se deberán realizar de hormigón armado cuando se dispongan bajo calzada, y dispondrán de marcos y tapas adecuadas para soportar las cargas a las que van a estar sometidas, conforme a la norma UNE-EN 124. Si la arqueta no está bajo calzada, podrá realizarse en hormigón sin armar o en ladrillo.

Los distintos tipos de arquetas vienen definidas en los planos.

3. RELLENO DE ZANJAS Y REPOSICIÓN DE FIRMES

Una vez terminada la obra y realizadas las pruebas y comprobaciones pertinentes, se procederá al tapado de la zanja con los materiales y procedimientos descritos. El tipo, material,

color y apariencia de acera, asfalto o adoquín deberá ser el normalizado por el Excmo. Ayuntamiento de Cáceres.

En caso de realizar excavaciones con demolición de firmes asfálticos, se procederá previamente al corte del pavimento con máquina cortadora de disco, para posteriormente realizar la excavación. Una vez realizada la excavación y el tapado de la zanja, se realizará la reposición del firme asfáltico.

Las tapas de registro que se instalen deberán cumplir las normas UNE-EN 124 y UNE 36-118.

4. SEPARACIÓN DE LAS REDES DE AGUA CON EL RESTO DE SERVICIOS

La separación de la red de agua potable del resto de servicios serán las siguientes en función del plano de cruce:

CONDUCCIÓN	SEPARACIÓN VERTICAL	SEPARACIÓN HORIZONTAL
Saneamiento o pluviales	100 cm	100 cm
Electricidad en MT	30 cm	30 cm
Electricidad en BT	20 cm	20 cm
Comunicaciones	30 cm	30 cm
Gas	40 cm	40 cm

En todos los casos, la rasante de la tubería de agua potable estará por encima del alcantarillado.

Excepcionalmente, estas distancias podrán variar si las circunstancias lo exigen, con aprobación por parte de los Técnicos Municipales, previo informe de la entidad suministradora. En dicho caso, se propondrán las medidas pertinentes de protección de las conducciones.

5. CÁLCULO HIDRÁULICO

El diseño de la red de agua potable se hace con el programa de simulación hidráulica "Abastecimiento de Agua" de la empresa CYPE Ingenieros, y con número de licencia 123624.

Se ha introducido en el programa la red diseñada y se le ha asignado unos caudales de consumo a cada nudo, considerando la situación más desfavorable del uso simultáneo de los dos hidrantes indicados anteriormente más la mitad del caudal punta.

Se mayoran las longitudes en un 20% para considerar las pérdidas menores y localizadas.

Se han garantizado los siguientes valores máximos y mínimos de velocidad y presión:

- Presión mínima de 30 m.c.a. en cada nudo de consumo.
- Presión máxima de 150 m.c.a. en cada nudo de consumo.
- Velocidad mínima de 0,30 m/sg
- Velocidad máxima de 3,00 m/sg

DESCRIPCIÓN DE LA RED HIDRÁULICA

- Viscosidad del fluido: 1.15000000 x10-6 m²/s
- Nº de Reynolds de transición: 2500.0

La velocidad de la instalación deberá quedar por encima del mínimo establecido, para evitar sedimentación, incrustaciones y estancamiento, y por debajo del máximo, para que no se produzca erosión.

DESCRIPCIÓN DE LOS MATERIALES EMPLEADOS

Los materiales utilizados para esta instalación son:

1A PN20 TUBO FNCGL - Rugosidad: 0.02000 mm

Descripción	Diámetros mm
DN100	103.0
DN150	153.4
DN200	203.6
DN250	254.0

El diámetro a utilizar se calculará de forma que la velocidad en la conducción no exceda la velocidad máxima y supere la velocidad mínima establecidas para el cálculo.

FORMULACIÓN

La formulación utilizada se basa en la fórmula de Darcy y el factor de fricción según Colebrook-White:

$$h = f \cdot \frac{8 \cdot L \cdot Q^2}{\pi^2 \cdot g \cdot D^5}$$

$$Re = \frac{v \cdot D}{\nu_s}$$

$$f_l = \frac{64}{Re}$$

$$\frac{1}{(ft)^{1/2}} = -2 \cdot \log \left(\frac{K}{3.7 \cdot D} + \frac{2.51}{Re \cdot (ft)^{1/2}} \right)$$

donde:

- h es la pérdida de altura de presión en m.c.a.
- f es el factor de fricción
- L es la longitud resistente en m
- Q es el caudal en m³/s
- g es la aceleración de la gravedad
- D es el diámetro de la conducción en m
- Re es el número de Reynolds, que determina el grado de turbulencia en el flujo
- v es la velocidad del fluido en m/s
- νs es la viscosidad cinemática del fluido en m²/s
- fl es el factor de fricción en régimen laminar (Re < 2500.0)
- ft es el factor de fricción en régimen turbulento (Re ≥ 2500.0)
- k es la rugosidad absoluta de la conducción en m

En cada conducción se determina el factor de fricción en función del régimen del fluido en dicha conducción, adoptando fl o ft según sea necesario para calcular la caída de presión.

Se utiliza como umbral de turbulencia un nº de Reynolds igual a 2500.0.

COMBINACIONES

A continuación se detallan las hipótesis utilizadas en los consumos, y las combinaciones que se han realizado ponderando los valores consignados para cada hipótesis.

Se han determinado 16 hipótesis, una destinada al consumo de la población, otra destinada a riego, y 14 restantes que corresponden a cada uno de los hidrantes colocados en la urbanización. De tal forma, que la combinación de las hipótesis teniendo en cuenta el porcentaje de utilización de las mismas nos determinan los resultados de cálculo. Las combinaciones efectuadas son, de manera resumida:

- 1. 100% de consumo y ninguna demanda ni de riego ni de hidrantes.
- 2. 50% de consumo y 75 % de riego.
- 3. 50% de consumo y 2 bocas de incendio aledañas funcionando al 100%.

Combinación	Hipótesis Consumo	Hipótesis Riego	Hipótesis H1	Hipótesis H2	Hipótesis H3	Hipótesis H4	Hipótesis H5	Hipótesis H6	Hipótesis H7	Hipótesis H8	Hipótesis H9	Hipótesis H10	Hipótesis H11	Hipótesis H12	Hipótesis H13	Hipótesis H14
Consumo	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumo +Riego	0.50	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
H1+H2	0.50	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
H1+H4	0.50	0.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
H2+H3	0.50	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
H3+H8	0.50	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.00
H8+H13	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	1.00	0.00
H13+14	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00
H2+H7	0.50	0.00	0.00	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
H7+H11	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
H11+H14	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00
H1+H6	0.50	0.00	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
H6+H10	0.50	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
H10+H12	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00	0.00	0.00
H9+H12	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00
H5+H9	0.50	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00

H4+H5	0.50	0.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
H5+H6	0.50	0.00	0.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
H6+H7	0.50	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
H10+H11	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00

RESULTADOS

Listado de nudos

Combinación: Consumo

Nudo	Cota m	Caudal dem. l/s	Alt. piez. m.c.a.	Pre. disp. m.c.a.	Coment.
BR39	364.92	0.00000	452.81	87.89	
BR48	366.95	0.00000	453.71	86.76	
BR52	364.07	0.00000	453.17	89.10	
BR64	365.00	5.00000	454.04	89.04	
BR65	366.77	0.00000	454.10	87.33	
BR88	365.71	0.00000	454.97	89.26	
BR89	367.02	0.00000	454.97	87.95	
BR92	370.26	0.00000	454.99	84.73	
BR93	371.68	0.00000	455.07	83.39	
BR99	372.39	0.00000	455.96	83.57	
BR107	365.38	0.00000	456.51	91.13	
BR115	369.55	0.00000	456.44	86.89	
H1	372.62	0.00000	454.21	81.59	
H2	368.64	0.00000	452.37	83.73	
H3	364.62	0.00000	452.09	87.47	
H4	369.25	0.00000	454.60	85.35	
H5	372.86	0.00000	454.55	81.69	
H6	368.22	0.00000	453.92	85.70	
H7	363.62	0.00000	453.67	90.05	
H8	361.47	0.00000	454.70	93.23	
H9	371.64	0.00000	455.98	84.34	
H10	369.83	0.00000	457.70	87.87	
H11	367.02	0.00000	457.88	90.86	
H12	373.31	0.00000	459.24	85.93	
H13	365.67	0.00000	458.66	92.99	
H14	372.42	0.00000	459.72	87.30	
NC1	372.76	0.56000	454.02	81.26	
NC2	372.81	0.56000	453.91	81.10	
NC3	372.67	0.56000	453.59	80.92	
NC4	372.40	0.56000	453.45	81.05	
NC5	370.61	1.33000	452.83	82.22	

NC6	370.12	1.33000	452.68	82.56		NC52	362.24	1.64500	452.61	90.37	
NC7	369.56	1.33000	452.49	82.93		NC53	368.81	1.15500	454.40	85.59	
NC8	369.10	1.33000	452.40	83.30		NC54	367.69	1.15500	454.12	86.43	
NC9	367.53	1.64500	452.25	84.72		NC55	367.63	1.15500	454.09	86.46	
NC10	365.75	1.64500	452.10	86.35		NC56	367.66	1.15500	453.95	86.29	
NC11	365.44	1.64500	452.09	86.65		NC57	366.80	1.15500	453.77	86.97	
NC12	364.46	1.64500	452.08	87.62		NC58	365.84	0.84000	453.29	87.45	
NC13	364.41	1.64500	452.09	87.68		NC59	364.23	0.84000	453.18	88.95	
NC14	363.64	1.64500	452.15	88.51		NC60	363.94	0.84000	453.15	89.21	
NC15	363.47	1.64500	452.18	88.71		NC61	363.25	1.47000	453.16	89.91	
NC16	362.60	1.64500	452.43	89.83		NC62	369.84	20.00000	454.58	84.74	
NC17	370.49	14.00000	456.76	86.27		NC63	372.47	20.00000	454.59	82.12	
NC18	369.40	14.00000	455.48	86.08		NC64	374.12	20.00000	454.64	80.52	
NC19	371.64	14.00000	454.52	82.88		NC65	374.94	14.00000	454.83	79.89	Pres. min.
NC20	369.92	14.00000	454.58	84.66		NC66	372.11	14.00000	455.37	83.26	
NC21	371.44	0.56000	454.42	82.98		NC67	371.49	0.30000	455.54	84.05	
NC22	370.40	0.56000	454.44	84.04		NC68	369.53	1.15500	454.48	84.95	
NC23	370.25	0.56000	454.45	84.20		NC69	371.51	1.15500	454.49	82.98	
NC24	369.25	0.56000	454.52	85.27		NC70	371.87	1.15500	454.50	82.63	
NC25	369.39	0.56000	454.45	85.06		NC71	373.84	1.15500	454.61	80.77	
NC26	367.78	0.56000	453.90	86.12		NC72	366.55	1.15500	453.83	87.28	
NC27	367.68	0.56000	453.81	86.13		NC73	366.68	1.15500	453.88	87.20	
NC28	367.61	0.56000	453.53	85.92		NC74	368.91	1.15500	454.15	85.24	
NC29	371.65	0.56000	453.33	81.68		NC75	366.60	0.84000	453.59	86.99	
NC30	369.33	0.56000	453.33	84.00		NC76	366.49	0.84000	453.68	87.19	
NC31	368.80	0.56000	453.33	84.53		NC77	367.84	0.84000	453.88	86.04	
NC32	367.62	0.56000	453.35	85.73		NC78	368.65	0.84000	454.02	85.37	
NC33	370.42	1.33000	453.01	82.59		NC79	363.44	0.84000	453.22	89.78	
NC34	368.68	1.33000	453.03	84.35		NC80	363.39	0.84000	453.54	90.15	
NC35	368.20	1.33000	453.04	84.84		NC81	363.78	0.84000	453.73	89.95	
NC36	367.63	1.33000	453.12	85.49		NC82	363.33	1.47000	453.45	90.12	
NC37	367.41	1.33000	453.13	85.72		NC83	373.71	1.15500	454.52	80.81	
NC38	365.81	1.33000	452.92	87.11		NC84	371.54	1.15500	454.32	82.78	
NC39	365.45	1.33000	452.89	87.44		NC85	370.98	1.15500	454.29	83.31	
NC40	364.38	1.33000	452.75	88.37		NC86	369.51	1.15500	454.24	84.73	
NC41	367.94	1.33000	452.37	84.43		NC87	367.98	0.84000	454.00	86.02	
NC42	366.13	1.33000	452.43	86.30		NC88	366.92	0.84000	453.94	87.02	
NC43	365.82	1.33000	452.46	86.64		NC89	365.58	0.84000	453.90	88.32	
NC44	364.83	1.33000	452.67	87.84		NC90	364.80	0.84000	453.88	89.08	
NC45	367.31	1.64500	452.31	85.00		NC91	363.14	1.47000	453.83	90.69	
NC46	365.83	1.64500	452.36	86.53		NC92	374.21	0.03500	454.69	80.48	
NC47	365.61	1.64500	452.39	86.78		NC93	373.97	0.07000	454.67	80.70	
NC48	364.62	1.64500	452.64	88.02		NC94	373.42	0.07000	454.64	81.22	
NC49	364.50	1.64500	452.67	88.17		NC95	372.65	0.07000	454.61	81.96	
NC50	363.04	1.64500	452.60	89.56		NC96	371.84	0.07000	454.58	82.74	
NC51	362.80	1.64500	452.60	89.80		NC97	371.03	0.07000	454.55	83.52	

NC98	370.24	0.07000	454.52	84.28		NC144	370.48	0.07000	456.08	85.60	
NC99	369.67	0.07000	454.49	84.82		NC145	369.79	0.07000	456.16	86.37	
NC100	368.62	0.03500	454.18	85.56		NC146	369.27	0.07000	456.25	86.98	
NC101	368.27	0.07000	454.16	85.89		NC147	368.30	0.03500	455.33	87.03	
NC102	367.51	0.07000	454.13	86.62		NC148	367.96	0.07000	455.34	87.38	
NC103	366.64	0.07000	454.09	87.45		NC149	367.36	0.07000	455.35	87.99	
NC104	365.74	0.07000	454.06	88.32		NC150	366.70	0.07000	455.36	88.66	
NC105	364.88	0.07000	454.04	89.16		NC151	366.03	0.07000	455.38	89.35	
NC106	364.27	0.07000	454.05	89.78		NC152	365.39	0.07000	455.39	90.00	
NC107	363.43	0.07000	454.09	90.66		NC153	364.97	0.07000	455.41	90.44	
NC108	362.99	0.07000	454.09	91.10		NC154	364.29	0.03500	455.25	90.96	
NC109	362.48	0.07000	454.09	91.61		NC155	363.98	0.07000	455.25	91.27	
NC110	361.95	0.07000	454.09	92.14		NC156	363.46	0.07000	455.25	91.79	
NC111	361.44	0.07000	454.09	92.65		NC157	362.89	0.07000	455.25	92.36	
NC112	361.41	0.07000	454.09	92.68		NC158	362.33	0.07000	455.25	92.92	
NC113	361.17	0.07000	454.08	92.91		NC159	361.81	0.07000	455.25	93.44	
NC114	361.16	0.03500	454.08	92.92		NC160	361.53	0.07000	455.25	93.72	
NC115	374.07	0.07000	455.22	81.15		NC161	361.49	0.07000	455.25	93.76	Pres. máx.
NC116	373.47	0.07000	455.17	81.70		NC162	371.80	0.03500	456.00	84.20	
NC117	372.76	0.07000	455.13	82.37		NC163	371.53	0.07000	456.05	84.52	
NC118	372.06	0.07000	455.09	83.03		NC164	371.21	0.07000	456.11	84.90	
NC119	371.35	0.07000	455.05	83.70		NC165	370.89	0.07000	456.17	85.28	
NC120	370.64	0.07000	455.01	84.37		NC166	370.57	0.07000	456.23	85.66	
NC121	369.95	0.07000	454.97	85.02		NC167	370.26	0.07000	456.30	86.04	
NC122	369.45	0.07000	454.94	85.49		NC168	369.93	0.07000	456.36	86.43	
NC123	368.44	0.03500	454.98	86.54		NC169	369.61	0.07000	456.43	86.82	
NC124	368.13	0.07000	454.98	86.85		NC170	369.29	0.07000	456.50	87.21	
NC125	367.52	0.07000	454.98	87.46		NC171	368.99	0.07000	456.57	87.58	
NC126	366.86	0.07000	454.97	88.11		NC172	369.01	1.02000	456.85	87.84	
NC127	366.19	0.07000	454.97	88.78		NC173	368.03	0.03500	456.47	88.44	
NC128	365.57	0.07000	454.97	89.40		NC174	367.80	0.07000	456.47	88.67	
NC129	365.15	0.07000	454.97	89.82		NC175	367.39	0.07000	456.47	89.08	
NC130	364.36	0.07000	455.00	90.64		NC176	366.97	0.07000	456.47	89.50	
NC131	363.90	0.07000	455.00	91.10		NC177	366.55	0.07000	456.47	89.92	
NC132	363.34	0.07000	455.00	91.66		NC178	366.13	0.07000	456.47	90.34	
NC133	362.78	0.07000	455.00	92.22		NC179	365.79	0.07000	456.47	90.68	
NC134	362.22	0.07000	455.00	92.78		NC180	365.78	0.62400	456.69	90.91	
NC135	361.81	0.07000	455.00	93.19		NC181	365.44	0.68400	456.62	91.18	
NC136	361.66	0.07000	455.00	93.34		NC182	365.09	0.03500	456.37	91.28	
NC137	361.73	0.03500	455.01	93.28		NC183	364.86	0.07000	456.37	91.51	
NC138	374.31	0.07000	455.59	81.28		NC184	364.45	0.07000	456.37	91.92	
NC139	373.90	0.07000	455.67	81.77		NC185	364.03	0.07000	456.37	92.34	
NC140	373.30	0.07000	455.75	82.45		NC186	363.60	0.07000	456.37	92.77	
NC141	372.59	0.07000	455.83	83.24		NC187	363.19	0.07000	456.37	93.18	
NC142	371.90	0.07000	455.91	84.01		NC188	362.95	0.07000	456.37	93.42	
NC143	371.20	0.07000	455.99	84.79		NC189	362.96	0.07000	456.38	93.42	

NC190	372.76	0.03500	457.97	85.21
NC191	372.38	0.07000	458.16	85.78
NC192	370.71	0.62400	458.08	87.37
NC193	364.52	0.68400	458.01	93.49
NC194	372.86	0.07000	457.96	85.10
NC195	373.17	0.07000	458.34	85.17
NC196	373.32	0.07000	458.60	85.28
NC197	373.38	0.07000	458.85	85.47
NC198	373.24	0.07000	459.12	85.88
NC199	373.03	0.07000	459.25	86.22
NC200	371.84	0.07000	458.72	86.88
NC201	372.57	0.07000	459.10	86.53
NC202	373.22	0.07000	459.48	86.26
NC203	373.77	0.07000	459.86	86.09
NC204	370.52	0.07000	458.69	88.17
NC205	371.56	0.07000	458.78	87.22
NC206	372.55	0.07000	458.86	86.31
NC207	373.27	0.07000	458.95	85.68
NC208	369.71	0.07000	458.62	88.91
NC209	370.43	0.07000	458.69	88.26
NC210	371.27	0.07000	458.75	87.48
NC211	372.16	0.07000	458.82	86.66
NC212	372.87	0.07000	458.89	86.02
NC213	373.26	0.03500	458.95	85.69
NC214	368.79	0.07000	458.41	89.62
NC215	369.58	0.07000	458.51	88.93
NC216	370.41	0.07000	458.62	88.21
NC217	371.22	0.07000	458.72	87.50
NC218	371.95	0.07000	458.83	86.88
NC219	372.42	0.03500	458.94	86.52
NC220	368.22	0.07000	458.37	90.15
NC221	368.88	0.07000	458.46	89.58
NC222	369.55	0.07000	458.55	89.00
NC223	370.25	0.07000	458.65	88.40
NC224	370.96	0.07000	458.75	87.79
NC225	371.63	0.07000	458.85	87.22
NC226	372.16	0.07000	458.95	86.79
NC227	372.52	0.07000	459.05	86.53
NC228	366.31	0.03500	458.93	92.62
NC229	366.81	0.07000	459.09	92.28
NC230	367.41	0.07000	459.24	91.83
NC231	368.03	0.07000	459.41	91.38
NC232	368.64	0.07000	459.58	90.94
NC233	369.25	0.07000	459.75	90.50
NC234	369.86	0.07000	459.92	90.06
NC235	370.47	0.07000	460.09	89.62

NC236	371.08	0.07000	460.27	89.19
NC237	366.11	0.07000	458.93	92.82
NC238	366.53	0.07000	459.07	92.54
NC239	367.07	0.07000	459.22	92.15
NC240	367.61	0.07000	459.37	91.76
NC241	368.14	0.07000	459.52	91.38
NC242	368.68	0.07000	459.67	90.99
NC243	369.22	0.07000	459.82	90.60
NC244	369.75	0.07000	459.98	90.23
NC245	370.30	0.07000	460.14	89.84
NC246	370.83	0.07000	460.31	89.48
NC247	371.28	0.07000	460.47	89.19
NC248	371.56	0.07000	460.64	89.08
NC249	365.25	0.07000	458.50	93.25
NC250	365.57	0.07000	458.61	93.04
NC251	365.80	0.07000	458.73	92.93
NC252	366.04	0.07000	458.85	92.81
NC253	366.49	0.07000	458.98	92.49
NC254	366.49	0.07000	459.10	92.61
NC255	366.72	0.07000	459.23	92.51
NC256	366.95	0.07000	459.36	92.41
NC257	367.17	0.07000	459.49	92.32
NC258	367.41	0.07000	459.62	92.21
NC259	367.80	0.07000	459.76	91.96
NC260	368.43	0.07000	459.90	91.47
NC261	369.82	0.07000	460.11	90.29
NC262	373.66	0.07000	459.78	86.12
NC263	371.40	1.02000	456.03	84.63
NT2	372.45	---	454.42	81.97
NT3	372.01	---	453.33	81.32
NT4	371.07	---	453.01	81.94
NT5	368.26	---	452.36	84.10
NT6	367.91	---	452.30	84.39
NT9	369.42	---	454.64	85.22
NT10	369.45	---	454.53	85.08
NT12	367.77	---	453.35	85.58
NT13	367.69	---	453.15	85.46
NT14	367.05	---	453.13	86.08
NT15	364.66	---	452.74	88.08
NT16	364.63	---	452.70	88.07
NT17	362.43	---	452.62	90.19
NT18	369.57	---	454.60	85.03
NT19	369.11	---	454.48	85.37
NT21	366.90	---	453.77	86.87
NT22	366.90	---	453.57	86.67
NT23	366.94	---	453.37	86.43

NT24	363.87	---	453.15	89.28
NT25	363.65	---	453.15	89.50
NT26	361.91	---	453.26	91.35
NT27	374.14	---	454.65	80.51
NT28	369.37	---	454.23	84.86
NT29	368.89	---	454.11	85.22
NT30	364.10	---	453.87	89.77
NT31	363.75	---	453.86	90.11
NT32	360.83	---	453.79	92.96
NT33	374.61	---	454.71	80.10
NT34	369.37	---	454.47	85.10
NT35	369.06	---	454.21	85.15
NT36	364.28	---	454.06	89.78
NT37	363.93	---	454.09	90.16
NT38	360.93	---	454.08	93.15
NT39	374.71	---	455.28	80.57
NT40	369.07	---	454.91	85.84
NT41	368.68	---	454.98	86.30
NT42	364.81	---	454.97	90.16
NT43	364.55	---	455.00	90.45
NT44	361.80	---	455.01	93.21
NT45	374.29	---	455.55	81.26
NT47	368.48	---	455.32	86.84
NT48	365.04	---	455.42	90.38
NT49	364.69	---	455.25	90.56
NT50	362.04	---	455.25	93.21
NT51	372.52	---	455.95	83.43
NT52	368.73	---	456.63	87.90
NT53	368.27	---	456.47	88.20
NT54	365.56	---	456.47	90.91
NT55	365.31	---	456.37	91.06
NT56	363.10	---	456.38	93.28
NT57	371.55	---	455.95	84.40
NT58	371.47	---	456.04	84.57
NT59	372.97	---	457.38	84.41
NT60	371.59	---	458.34	86.75
NT61	371.24	---	458.40	87.16
NT62	369.53	---	458.57	89.04
NT63	369.37	---	458.57	89.20
NT64	367.72	---	458.28	90.56
NT65	367.34	---	458.29	90.95
NT66	366.13	---	458.81	92.68
NT67	365.80	---	458.81	93.01
NT68	364.78	---	458.35	93.57
NT69	373.66	---	459.85	86.19
NT70	373.77	---	459.87	86.10

NT71	373.51	---	459.02	85.51
NT72	373.49	---	458.99	85.50
NT73	372.87	---	458.99	86.12
NT74	372.68	---	459.11	86.43
NT75	371.82	---	460.54	88.72
NT76	371.53	---	460.71	89.18
NT80	371.67	---	460.93	89.26
NT81	373.72	---	460.89	87.17
NT97	374.35	---	454.67	80.32
SG1	374.00	-105.55661	464.00	90.00
SG2	371.68	-36.68246	461.68	90.00
SG3	372.50	-48.15560	462.50	90.00
SG4	371.00	-65.90120	461.00	90.00

Combinación: Consumo+Riego

Nudo	Cota m	Caudal dem. l/s	Alt. piez. m.c.a.	Pre. disp. m.c.a.	Coment.
BR39	364.92	15.38000	454.96	90.04	
BR48	366.95	1.50000	456.39	89.44	
BR52	364.07	9.75000	455.32	91.25	
BR64	365.00	4.00000	456.07	91.07	
BR65	366.77	1.50000	456.15	89.38	
BR88	365.71	1.50000	456.53	90.82	
BR89	367.02	1.50000	456.59	89.57	
BR92	370.26	1.50000	456.82	86.56	
BR93	371.68	1.50000	456.89	85.21	
BR99	372.39	19.50000	457.03	84.64	
BR107	365.38	16.87000	456.48	91.10	
BR115	369.55	1.50000	457.57	88.02	
H1	372.62	0.00000	457.62	85.00	
H2	368.64	0.00000	455.24	86.60	
H3	364.62	0.00000	455.10	90.48	
H4	369.25	0.00000	457.93	88.68	
H5	372.86	0.00000	457.71	84.85	
H6	368.22	0.00000	456.33	88.11	
H7	363.62	0.00000	455.78	92.16	
H8	361.47	0.00000	456.24	94.77	
H9	371.64	0.00000	457.47	85.83	
H10	369.83	0.00000	458.78	88.95	
H11	367.02	0.00000	458.37	91.35	
H12	373.31	0.00000	460.17	86.86	
H13	365.67	0.00000	459.18	93.51	
H14	372.42	0.00000	460.17	87.75	
NC1	372.76	0.28000	457.42	84.66	
NC2	372.81	0.28000	457.30	84.49	

NC3	372.67	0.28000	456.94	84.27		NC49	364.50	0.82250	455.19	90.69	
NC4	372.40	0.28000	456.76	84.36		NC50	363.04	0.82250	455.19	92.15	
NC5	370.61	0.66500	456.04	85.43		NC51	362.80	0.82250	455.20	92.40	
NC6	370.12	0.66500	455.83	85.71		NC52	362.24	0.82250	455.23	92.99	
NC7	369.56	0.66500	455.54	85.98		NC53	368.81	0.57750	457.66	88.85	
NC8	369.10	0.66500	455.35	86.25		NC54	367.69	0.57750	457.27	89.58	
NC9	367.53	0.82250	455.15	87.62		NC55	367.63	0.57750	457.22	89.59	
NC10	365.75	0.82250	455.10	89.35		NC56	367.66	0.57750	456.95	89.29	
NC11	365.44	0.82250	455.10	89.66		NC57	366.80	0.57750	456.50	89.70	
NC12	364.46	0.82250	455.10	90.64		NC58	365.84	0.42000	455.76	89.92	
NC13	364.41	0.82250	455.10	90.69		NC59	364.23	0.42000	455.39	91.16	
NC14	363.64	0.82250	455.11	91.47		NC60	363.94	0.42000	455.34	91.40	
NC15	363.47	0.82250	455.12	91.65		NC61	363.25	0.73500	455.41	92.16	
NC16	362.60	0.82250	455.19	92.59		NC62	369.84	10.00000	457.91	88.07	
NC17	370.49	7.00000	459.52	89.03		NC63	372.47	10.00000	457.90	85.43	
NC18	369.40	7.00000	458.64	89.24		NC64	374.12	10.00000	457.90	83.78	
NC19	371.64	7.00000	457.93	86.29		NC65	374.94	7.00000	457.97	83.03	
NC20	369.92	7.00000	457.97	88.05		NC66	372.11	7.00000	458.17	86.06	
NC21	371.44	0.28000	457.83	86.39		NC67	371.49	0.15000	458.23	86.74	
NC22	370.40	0.28000	457.85	87.45		NC68	369.53	0.57750	457.74	88.21	
NC23	370.25	0.28000	457.85	87.60		NC69	371.51	0.57750	457.71	86.20	
NC24	369.25	0.28000	457.89	88.64		NC70	371.87	0.57750	457.71	85.84	
NC25	369.39	0.28000	457.82	88.43		NC71	373.84	0.57750	457.71	83.87	
NC26	367.78	0.28000	457.25	89.47		NC72	366.55	0.57750	456.53	89.98	
NC27	367.68	0.28000	457.15	89.47		NC73	366.68	0.57750	456.55	89.87	
NC28	367.61	0.28000	456.83	89.22		NC74	368.91	0.57750	456.66	87.75	
NC29	371.65	0.28000	456.61	84.96		NC75	366.60	0.42000	456.19	89.59	
NC30	369.33	0.28000	456.61	87.28		NC76	366.49	0.42000	456.23	89.74	
NC31	368.80	0.28000	456.61	87.81		NC77	367.84	0.42000	456.31	88.47	
NC32	367.62	0.28000	456.61	88.99		NC78	368.65	0.42000	456.37	87.72	
NC33	370.42	0.66500	456.23	85.81		NC79	363.44	0.42000	455.42	91.98	
NC34	368.68	0.66500	456.23	87.55		NC80	363.39	0.42000	455.69	92.30	
NC35	368.20	0.66500	456.23	88.03		NC81	363.78	0.42000	455.84	92.06	
NC36	367.63	0.66500	456.24	88.61		NC82	363.33	0.73500	455.63	92.30	
NC37	367.41	0.66500	455.95	88.54		NC83	373.71	0.57750	457.51	83.80	
NC38	365.81	0.66500	455.40	89.59		NC84	371.54	0.57750	457.08	85.54	
NC39	365.45	0.66500	455.30	89.85		NC85	370.98	0.57750	457.00	86.02	
NC40	364.38	0.66500	455.10	90.72		NC86	369.51	0.57750	456.74	87.23	
NC41	367.94	0.66500	455.20	87.26		NC87	367.98	0.42000	456.25	88.27	
NC42	366.13	0.66500	455.17	89.04		NC88	366.92	0.42000	456.16	89.24	
NC43	365.82	0.66500	455.17	89.35		NC89	365.58	0.42000	456.07	90.49	
NC44	364.83	0.66500	455.17	90.34		NC90	364.80	0.42000	456.02	91.22	
NC45	367.31	0.82250	455.16	87.85		NC91	363.14	0.73500	455.89	92.75	
NC46	365.83	0.82250	455.16	89.33		NC92	374.21	0.01750	457.41	83.20	
NC47	365.61	0.82250	455.16	89.55		NC93	373.97	0.03500	457.35	83.38	
NC48	364.62	0.82250	455.18	90.56		NC94	373.42	0.03500	457.27	83.85	

NC95	372.65	0.03500	457.18	84.53	Pres. min.	NC141	372.59	0.03500	457.39	84.80	Pres. máx.
NC96	371.84	0.03500	457.10	85.26		NC142	371.90	0.03500	457.43	85.53	
NC97	371.03	0.03500	457.02	85.99		NC143	371.20	0.03500	457.48	86.28	
NC98	370.24	0.03500	456.94	86.70		NC144	370.48	0.03500	457.53	87.05	
NC99	369.67	0.03500	456.86	87.19		NC145	369.79	0.03500	457.58	87.79	
NC100	368.62	0.01750	456.35	87.73		NC146	369.27	0.03500	457.63	88.36	
NC101	368.27	0.03500	456.30	88.03		NC147	368.30	0.01750	456.99	88.69	
NC102	367.51	0.03500	456.22	88.71		NC148	367.96	0.03500	456.99	89.03	
NC103	366.64	0.03500	456.15	89.51		NC149	367.36	0.03500	456.99	89.63	
NC104	365.74	0.03500	456.10	90.36		NC150	366.70	0.03500	456.99	90.29	
NC105	364.88	0.03500	456.07	91.19		NC151	366.03	0.03500	456.99	90.96	
NC106	364.27	0.03500	456.07	91.80		NC152	365.39	0.03500	456.99	91.60	
NC107	363.43	0.03500	456.00	92.57		NC153	364.97	0.03500	456.99	92.02	
NC108	362.99	0.03500	456.00	93.01		NC154	364.29	0.01750	456.42	92.13	
NC109	362.48	0.03500	455.99	93.51	Pres. min.	NC155	363.98	0.03500	456.43	92.45	
NC110	361.95	0.03500	455.99	94.04		NC156	363.46	0.03500	456.43	92.97	
NC111	361.44	0.03500	455.99	94.55		NC157	362.89	0.03500	456.43	93.54	
NC112	361.41	0.03500	455.98	94.57		NC158	362.33	0.03500	456.44	94.11	
NC113	361.17	0.03500	455.98	94.81		NC159	361.81	0.03500	456.45	94.64	
NC114	361.16	0.01750	455.98	94.82		NC160	361.53	0.03500	456.45	94.92	
NC115	374.07	0.03500	457.13	83.06		NC161	361.49	0.03500	456.46	94.97	
NC116	373.47	0.03500	457.06	83.59		NC162	371.80	0.01750	457.15	85.35	
NC117	372.76	0.03500	456.99	84.23		NC163	371.53	0.03500	457.20	85.67	
NC118	372.06	0.03500	456.93	84.87		NC164	371.21	0.03500	457.26	86.05	
NC119	371.35	0.03500	456.87	85.52		NC165	370.89	0.03500	457.31	86.42	
NC120	370.64	0.03500	456.84	86.20		NC166	370.57	0.03500	457.37	86.80	
NC121	369.95	0.03500	456.82	86.87		NC167	370.26	0.03500	457.43	87.17	
NC122	369.45	0.03500	456.80	87.35		NC168	369.93	0.03500	457.49	87.56	
NC123	368.44	0.01750	456.74	88.30		NC169	369.61	0.03500	457.55	87.94	
NC124	368.13	0.03500	456.70	88.57		NC170	369.29	0.03500	457.65	88.36	
NC125	367.52	0.03500	456.64	89.12		NC171	368.99	0.03500	457.75	88.76	
NC126	366.86	0.03500	456.58	89.72		NC172	369.01	0.51000	458.04	89.03	
NC127	366.19	0.03500	456.55	90.36		NC173	368.03	0.01750	457.81	89.78	
NC128	365.57	0.03500	456.53	90.96		NC174	367.80	0.03500	457.81	90.01	
NC129	365.15	0.03500	456.52	91.37		NC175	367.39	0.03500	457.80	90.41	
NC130	364.36	0.03500	456.39	92.03		NC176	366.97	0.03500	457.80	90.83	
NC131	363.90	0.03500	456.39	92.49		NC177	366.55	0.03500	457.80	91.25	
NC132	363.34	0.03500	456.39	93.05		NC178	366.13	0.03500	457.80	91.67	
NC133	362.78	0.03500	456.38	93.60		NC179	365.79	0.03500	457.80	92.01	
NC134	362.22	0.03500	456.38	94.16		NC180	365.78	0.31200	457.94	92.16	
NC135	361.81	0.03500	456.38	94.57		NC181	365.44	0.34200	456.63	91.19	
NC136	361.66	0.03500	456.38	94.72		NC182	365.09	0.01750	456.52	91.43	
NC137	361.73	0.01750	456.38	94.65		NC183	364.86	0.03500	456.56	91.70	
NC138	374.31	0.03500	457.25	82.94		NC184	364.45	0.03500	456.62	92.17	
NC139	373.90	0.03500	457.29	83.39		NC185	364.03	0.03500	456.68	92.65	
NC140	373.30	0.03500	457.34	84.04		NC186	363.60	0.03500	456.74	93.14	

NC187	363.19	0.03500	456.80	93.61
NC188	362.95	0.03500	456.86	93.91
NC189	362.96	0.03500	456.92	93.96
NC190	372.76	0.01750	459.21	86.45
NC191	372.38	0.03500	459.27	86.89
NC192	370.71	0.31200	459.08	88.37
NC193	364.52	0.34200	458.58	94.06
NC194	372.86	0.03500	459.39	86.53
NC195	373.17	0.03500	459.62	86.45
NC196	373.32	0.03500	459.78	86.46
NC197	373.38	0.03500	459.94	86.56
NC198	373.24	0.03500	460.10	86.86
NC199	373.03	0.03500	460.06	87.03
NC200	371.84	0.03500	459.57	87.73
NC201	372.57	0.03500	459.87	87.30
NC202	373.22	0.03500	460.16	86.94
NC203	373.77	0.03500	460.44	86.67
NC204	370.52	0.03500	459.45	88.93
NC205	371.56	0.03500	459.52	87.96
NC206	372.55	0.03500	459.58	87.03
NC207	373.27	0.03500	459.64	86.37
NC208	369.71	0.03500	459.39	89.68
NC209	370.43	0.03500	459.44	89.01
NC210	371.27	0.03500	459.49	88.22
NC211	372.16	0.03500	459.54	87.38
NC212	372.87	0.03500	459.58	86.71
NC213	373.26	0.01750	459.62	86.36
NC214	368.79	0.03500	459.11	90.32
NC215	369.58	0.03500	459.20	89.62
NC216	370.41	0.03500	459.30	88.89
NC217	371.22	0.03500	459.40	88.18
NC218	371.95	0.03500	459.50	87.55
NC219	372.42	0.01750	459.59	87.17
NC220	368.22	0.03500	459.01	90.79
NC221	368.88	0.03500	459.10	90.22
NC222	369.55	0.03500	459.19	89.64
NC223	370.25	0.03500	459.28	89.03
NC224	370.96	0.03500	459.38	88.42
NC225	371.63	0.03500	459.47	87.84
NC226	372.16	0.03500	459.57	87.41
NC227	372.52	0.03500	459.66	87.14
NC228	366.31	0.01750	459.44	93.13
NC229	366.81	0.03500	459.58	92.77
NC230	367.41	0.03500	459.71	92.30
NC231	368.03	0.03500	459.86	91.83
NC232	368.64	0.03500	460.00	91.36

NC233	369.25	0.03500	460.14	90.89
NC234	369.86	0.03500	460.28	90.42
NC235	370.47	0.03500	460.42	89.95
NC236	371.08	0.03500	460.57	89.49
NC237	366.11	0.03500	459.44	93.33
NC238	366.53	0.03500	459.56	93.03
NC239	367.07	0.03500	459.69	92.62
NC240	367.61	0.03500	459.81	92.20
NC241	368.14	0.03500	459.94	91.80
NC242	368.68	0.03500	460.07	91.39
NC243	369.22	0.03500	460.20	90.98
NC244	369.75	0.03500	460.33	90.58
NC245	370.30	0.03500	460.46	90.16
NC246	370.83	0.03500	460.59	89.76
NC247	371.28	0.03500	460.73	89.45
NC248	371.56	0.03500	460.86	89.30
NC249	365.25	0.03500	459.03	93.78
NC250	365.57	0.03500	459.14	93.57
NC251	365.80	0.03500	459.24	93.44
NC252	366.04	0.03500	459.35	93.31
NC253	366.49	0.03500	459.46	92.97
NC254	366.49	0.03500	459.57	93.08
NC255	366.72	0.03500	459.68	92.96
NC256	366.95	0.03500	459.79	92.84
NC257	367.17	0.03500	459.90	92.73
NC258	367.41	0.03500	460.02	92.61
NC259	367.80	0.03500	460.13	92.33
NC260	368.43	0.03500	460.25	91.82
NC261	369.82	0.03500	460.43	90.61
NC262	373.66	0.03500	460.49	86.83
NC263	371.40	0.51000	458.31	86.91
NT2	372.45	---	457.83	85.38
NT3	372.01	---	456.62	84.61
NT4	371.07	---	456.23	85.16
NT5	368.26	---	455.21	86.95
NT6	367.91	---	455.16	87.25
NT9	369.42	---	457.99	88.57
NT10	369.45	---	457.90	88.45
NT12	367.77	---	456.61	88.84
NT13	367.69	---	456.24	88.55
NT14	367.05	---	455.89	88.84
NT15	364.66	---	455.17	90.51
NT16	364.63	---	455.19	90.56
NT17	362.43	---	455.24	92.81
NT18	369.57	---	457.93	88.36
NT19	369.11	---	457.75	88.64

NT21	366.90	---	456.50	89.60
NT22	366.90	---	456.18	89.28
NT23	366.94	---	455.98	89.04
NT24	363.87	---	455.36	91.49
NT25	363.65	---	455.39	91.74
NT26	361.91	---	455.53	93.62
NT27	374.14	---	457.71	83.57
NT28	369.37	---	456.69	87.32
NT29	368.89	---	456.40	87.51
NT30	364.10	---	455.95	91.85
NT31	363.75	---	455.91	92.16
NT32	360.83	---	455.84	95.01
NT33	374.61	---	457.44	82.83
NT34	369.37	---	456.79	87.42
NT35	369.06	---	456.41	87.35
NT36	364.28	---	456.07	91.79
NT37	363.93	---	456.00	92.07
NT38	360.93	---	455.98	95.05
NT39	374.71	---	457.22	82.51
NT40	369.07	---	456.80	87.73
NT41	368.68	---	456.79	88.11
NT42	364.81	---	456.51	91.70
NT43	364.55	---	456.39	91.84
NT44	361.80	---	456.38	94.58
NT45	374.29	---	457.22	82.93
NT47	368.48	---	456.99	88.51
NT48	365.04	---	456.99	91.95
NT49	364.69	---	456.42	91.73
NT50	362.04	---	456.46	94.42
NT51	372.52	---	457.10	84.58
NT52	368.73	---	457.84	89.11
NT53	368.27	---	457.81	89.54
NT54	365.56	---	457.79	92.23
NT55	365.31	---	456.48	91.17
NT56	363.10	---	456.97	93.87
NT57	371.55	---	458.38	86.83
NT58	371.47	---	458.38	86.91
NT59	372.97	---	459.03	86.06
NT60	371.59	---	459.32	87.73
NT61	371.24	---	459.33	88.09
NT62	369.53	---	459.37	89.84
NT63	369.37	---	459.35	89.98
NT64	367.72	---	458.98	91.26
NT65	367.34	---	458.93	91.59
NT66	366.13	---	459.33	93.20
NT67	365.80	---	459.33	93.53

NT68	364.78	---	458.89	94.11
NT69	373.66	---	460.54	86.88
NT70	373.77	---	460.45	86.68
NT71	373.51	---	459.69	86.18
NT72	373.49	---	459.65	86.16
NT73	372.87	---	459.65	86.78
NT74	372.68	---	459.72	87.04
NT75	371.82	---	460.79	88.97
NT76	371.53	---	460.92	89.39
NT80	371.67	---	461.09	89.42
NT81	373.72	---	461.28	87.56
NT97	374.35	---	457.90	83.55
SG1	374.00	-81.77829	464.00	90.00
SG2	371.68	-32.20524	461.68	90.00
SG3	372.50	-41.54213	462.50	90.00
SG4	371.00	-46.12229	461.00	90.00

Combinación: H1+H2

Nudo	Cota m	Caudal dem. l/s	Alt. piez. m.c.a.	Pre. disp. m.c.a.	Coment.
BR39	364.92	0.00000	457.61	92.69	
BR48	366.95	0.00000	458.41	91.46	
BR52	364.07	0.00000	457.92	93.85	
BR64	365.00	2.50000	458.53	93.53	
BR65	366.77	0.00000	458.57	91.80	
BR88	365.71	0.00000	458.97	93.26	
BR89	367.02	0.00000	458.98	91.96	
BR92	370.26	0.00000	459.05	88.79	
BR93	371.68	0.00000	459.10	87.42	
BR99	372.39	0.00000	459.51	87.12	
BR107	365.38	0.00000	459.64	94.26	
BR115	369.55	0.00000	459.74	90.19	
H1	372.62	16.60000	457.95	85.33	
H2	368.64	16.60000	456.58	87.94	
H3	364.62	0.00000	456.90	92.28	
H4	369.25	0.00000	459.04	89.79	
H5	372.86	0.00000	459.01	86.15	
H6	368.22	0.00000	458.51	90.29	
H7	363.62	0.00000	458.26	94.64	
H8	361.47	0.00000	458.80	97.33	
H9	371.64	0.00000	459.52	87.88	
H10	369.83	0.00000	460.24	90.41	
H11	367.02	0.00000	460.25	93.23	
H12	373.31	0.00000	460.99	87.68	
H13	365.67	0.00000	460.53	94.86	

H14	372.42	0.00000	461.00	88.58		NC46	365.83	0.82250	457.02	91.19	
NC1	372.76	0.28000	457.91	85.15		NC47	365.61	0.82250	457.08	91.47	
NC2	372.81	0.28000	457.89	85.08		NC48	364.62	0.82250	457.44	92.82	
NC3	372.67	0.28000	457.82	85.15		NC49	364.50	0.82250	457.50	93.00	
NC4	372.40	0.28000	457.79	85.39		NC50	363.04	0.82250	457.49	94.45	
NC5	370.61	0.66500	457.39	86.78		NC51	362.80	0.82250	457.49	94.69	
NC6	370.12	0.66500	457.19	87.07		NC52	362.24	0.82250	457.50	95.26	
NC7	369.56	0.66500	456.89	87.33		NC53	368.81	0.57750	458.93	90.12	
NC8	369.10	0.66500	456.70	87.60		NC54	367.69	0.57750	458.76	91.07	
NC9	367.53	0.82250	456.76	89.23		NC55	367.63	0.57750	458.74	91.11	
NC10	365.75	0.82250	456.77	91.02		NC56	367.66	0.57750	458.63	90.97	
NC11	365.44	0.82250	456.78	91.34		NC57	366.80	0.57750	458.47	91.67	
NC12	364.46	0.82250	456.88	92.42		NC58	365.84	0.42000	458.03	92.19	
NC13	364.41	0.82250	456.92	92.51		NC59	364.23	0.42000	457.93	93.70	
NC14	363.64	0.82250	457.05	93.41		NC60	363.94	0.42000	457.90	93.96	
NC15	363.47	0.82250	457.10	93.63		NC61	363.25	0.73500	457.90	94.65	
NC16	362.60	0.82250	457.35	94.75		NC62	369.84	10.00000	459.03	89.19	
NC17	370.49	7.00000	460.29	89.80		NC63	372.47	10.00000	459.04	86.57	
NC18	369.40	7.00000	459.57	90.17		NC64	374.12	10.00000	459.05	84.93	
NC19	371.64	7.00000	458.94	87.30		NC65	374.94	7.00000	459.12	84.18	Pres. min.
NC20	369.92	7.00000	459.01	89.09		NC66	372.11	7.00000	459.30	87.19	
NC21	371.44	0.28000	458.68	87.24		NC67	371.49	0.15000	459.36	87.87	
NC22	370.40	0.28000	458.77	88.37		NC68	369.53	0.57750	458.98	89.45	
NC23	370.25	0.28000	458.78	88.53		NC69	371.51	0.57750	458.98	87.47	
NC24	369.25	0.28000	458.93	89.68		NC70	371.87	0.57750	458.99	87.12	
NC25	369.39	0.28000	458.89	89.50		NC71	373.84	0.57750	459.03	85.19	
NC26	367.78	0.28000	458.44	90.66		NC72	366.55	0.57750	458.51	91.96	
NC27	367.68	0.28000	458.37	90.69		NC73	366.68	0.57750	458.54	91.86	
NC28	367.61	0.28000	458.12	90.51		NC74	368.91	0.57750	458.68	89.77	
NC29	371.65	0.28000	457.78	86.13		NC75	366.60	0.42000	458.30	91.70	
NC30	369.33	0.28000	457.84	88.51		NC76	366.49	0.42000	458.36	91.87	
NC31	368.80	0.28000	457.85	89.05		NC77	367.84	0.42000	458.48	90.64	
NC32	367.62	0.28000	457.93	90.31		NC78	368.65	0.42000	458.56	89.91	
NC33	370.42	0.66500	457.61	87.19		NC79	363.44	0.42000	457.95	94.51	
NC34	368.68	0.66500	457.68	89.00		NC80	363.39	0.42000	458.18	94.79	
NC35	368.20	0.66500	457.71	89.51		NC81	363.78	0.42000	458.31	94.53	
NC36	367.63	0.66500	457.82	90.19		NC82	363.33	0.73500	458.12	94.79	
NC37	367.41	0.66500	457.84	90.43		NC83	373.71	0.57750	458.97	85.26	
NC38	365.81	0.66500	457.71	91.90		NC84	371.54	0.57750	458.82	87.28	
NC39	365.45	0.66500	457.68	92.23		NC85	370.98	0.57750	458.80	87.82	
NC40	364.38	0.66500	457.55	93.17		NC86	369.51	0.57750	458.73	89.22	
NC41	367.94	0.66500	456.73	88.79		NC87	367.98	0.42000	458.53	90.55	
NC42	366.13	0.66500	456.99	90.86		NC88	366.92	0.42000	458.49	91.57	
NC43	365.82	0.66500	457.06	91.24		NC89	365.58	0.42000	458.45	92.87	
NC44	364.83	0.66500	457.43	92.60		NC90	364.80	0.42000	458.43	93.63	
NC45	367.31	0.82250	456.80	89.49		NC91	363.14	0.73500	458.36	95.22	

NC92	374.21	0.01750	459.04	84.83		NC138	374.31	0.03500	459.37	85.06	
NC93	373.97	0.03500	459.02	85.05		NC139	373.90	0.03500	459.40	85.50	
NC94	373.42	0.03500	458.99	85.57		NC140	373.30	0.03500	459.44	86.14	
NC95	372.65	0.03500	458.96	86.31		NC141	372.59	0.03500	459.47	86.88	
NC96	371.84	0.03500	458.94	87.10		NC142	371.90	0.03500	459.51	87.61	
NC97	371.03	0.03500	458.91	87.88		NC143	371.20	0.03500	459.55	88.35	
NC98	370.24	0.03500	458.89	88.65		NC144	370.48	0.03500	459.58	89.10	
NC99	369.67	0.03500	458.86	89.19		NC145	369.79	0.03500	459.62	89.83	
NC100	368.62	0.01750	458.63	90.01		NC146	369.27	0.03500	459.66	90.39	
NC101	368.27	0.03500	458.62	90.35		NC147	368.30	0.01750	459.15	90.85	
NC102	367.51	0.03500	458.59	91.08		NC148	367.96	0.03500	459.16	91.20	
NC103	366.64	0.03500	458.57	91.93		NC149	367.36	0.03500	459.16	91.80	
NC104	365.74	0.03500	458.55	92.81		NC150	366.70	0.03500	459.16	92.46	
NC105	364.88	0.03500	458.53	93.65		NC151	366.03	0.03500	459.17	93.14	
NC106	364.27	0.03500	458.53	94.26		NC152	365.39	0.03500	459.17	93.78	
NC107	363.43	0.03500	458.49	95.06		NC153	364.97	0.03500	459.18	94.21	
NC108	362.99	0.03500	458.49	95.50		NC154	364.29	0.01750	459.07	94.78	
NC109	362.48	0.03500	458.48	96.00		NC155	363.98	0.03500	459.07	95.09	
NC110	361.95	0.03500	458.48	96.53		NC156	363.46	0.03500	459.07	95.61	
NC111	361.44	0.03500	458.48	97.04		NC157	362.89	0.03500	459.07	96.18	
NC112	361.41	0.03500	458.48	97.07		NC158	362.33	0.03500	459.07	96.74	
NC113	361.17	0.03500	458.48	97.31		NC159	361.81	0.03500	459.07	97.26	
NC114	361.16	0.01750	458.47	97.31		NC160	361.53	0.03500	459.07	97.54	
NC115	374.07	0.03500	459.20	85.13		NC161	361.49	0.03500	459.07	97.58	Pres. máx.
NC116	373.47	0.03500	459.17	85.70		NC162	371.80	0.01750	459.54	87.74	
NC117	372.76	0.03500	459.14	86.38		NC163	371.53	0.03500	459.56	88.03	
NC118	372.06	0.03500	459.12	87.06		NC164	371.21	0.03500	459.59	88.38	
NC119	371.35	0.03500	459.09	87.74		NC165	370.89	0.03500	459.62	88.73	
NC120	370.64	0.03500	459.06	88.42		NC166	370.57	0.03500	459.64	89.07	
NC121	369.95	0.03500	459.04	89.09		NC167	370.26	0.03500	459.67	89.41	
NC122	369.45	0.03500	459.01	89.56		NC168	369.93	0.03500	459.70	89.77	
NC123	368.44	0.01750	459.00	90.56		NC169	369.61	0.03500	459.73	90.12	
NC124	368.13	0.03500	458.99	90.86		NC170	369.29	0.03500	459.77	90.48	
NC125	367.52	0.03500	458.99	91.47		NC171	368.99	0.03500	459.80	90.81	
NC126	366.86	0.03500	458.98	92.12		NC172	369.01	0.51000	459.92	90.91	
NC127	366.19	0.03500	458.98	92.79		NC173	368.03	0.01750	459.66	91.63	
NC128	365.57	0.03500	458.97	93.40		NC174	367.80	0.03500	459.66	91.86	
NC129	365.15	0.03500	458.97	93.82		NC175	367.39	0.03500	459.66	92.27	
NC130	364.36	0.03500	458.96	94.60		NC176	366.97	0.03500	459.66	92.69	
NC131	363.90	0.03500	458.96	95.06		NC177	366.55	0.03500	459.66	93.11	
NC132	363.34	0.03500	458.96	95.62		NC178	366.13	0.03500	459.66	93.53	
NC133	362.78	0.03500	458.96	96.18		NC179	365.79	0.03500	459.66	93.87	
NC134	362.22	0.03500	458.96	96.74		NC180	365.78	0.31200	459.76	93.98	
NC135	361.81	0.03500	458.96	97.15		NC181	365.44	0.34200	459.69	94.25	
NC136	361.66	0.03500	458.96	97.30		NC182	365.09	0.01750	459.57	94.48	
NC137	361.73	0.01750	458.96	97.23		NC183	364.86	0.03500	459.57	94.71	

NC184	364.45	0.03500	459.57	95.12
NC185	364.03	0.03500	459.57	95.54
NC186	363.60	0.03500	459.57	95.97
NC187	363.19	0.03500	459.57	96.38
NC188	362.95	0.03500	459.57	96.62
NC189	362.96	0.03500	459.57	96.61
NC190	372.76	0.01750	460.39	87.63
NC191	372.38	0.03500	460.47	88.09
NC192	370.71	0.31200	460.41	89.70
NC193	364.52	0.34200	460.27	95.75
NC194	372.86	0.03500	460.40	87.54
NC195	373.17	0.03500	460.57	87.40
NC196	373.32	0.03500	460.69	87.37
NC197	373.38	0.03500	460.81	87.43
NC198	373.24	0.03500	460.93	87.69
NC199	373.03	0.03500	460.98	87.95
NC200	371.84	0.03500	460.71	88.87
NC201	372.57	0.03500	460.89	88.32
NC202	373.22	0.03500	461.06	87.84
NC203	373.77	0.03500	461.24	87.47
NC204	370.52	0.03500	460.65	90.13
NC205	371.56	0.03500	460.69	89.13
NC206	372.55	0.03500	460.72	88.17
NC207	373.27	0.03500	460.76	87.49
NC208	369.71	0.03500	460.62	90.91
NC209	370.43	0.03500	460.65	90.22
NC210	371.27	0.03500	460.67	89.40
NC211	372.16	0.03500	460.70	88.54
NC212	372.87	0.03500	460.73	87.86
NC213	373.26	0.01750	460.75	87.49
NC214	368.79	0.03500	460.50	91.71
NC215	369.58	0.03500	460.54	90.96
NC216	370.41	0.03500	460.59	90.18
NC217	371.22	0.03500	460.64	89.42
NC218	371.95	0.03500	460.69	88.74
NC219	372.42	0.01750	460.73	88.31
NC220	368.22	0.03500	460.47	92.25
NC221	368.88	0.03500	460.51	91.63
NC222	369.55	0.03500	460.55	91.00
NC223	370.25	0.03500	460.59	90.34
NC224	370.96	0.03500	460.63	89.67
NC225	371.63	0.03500	460.68	89.05
NC226	372.16	0.03500	460.72	88.56
NC227	372.52	0.03500	460.77	88.25
NC228	366.31	0.01750	460.66	94.35
NC229	366.81	0.03500	460.72	93.91

NC230	367.41	0.03500	460.78	93.37
NC231	368.03	0.03500	460.84	92.81
NC232	368.64	0.03500	460.91	92.27
NC233	369.25	0.03500	460.97	91.72
NC234	369.86	0.03500	461.04	91.18
NC235	370.47	0.03500	461.11	90.64
NC236	371.08	0.03500	461.17	90.09
NC237	366.11	0.03500	460.66	94.55
NC238	366.53	0.03500	460.71	94.18
NC239	367.07	0.03500	460.77	93.70
NC240	367.61	0.03500	460.82	93.21
NC241	368.14	0.03500	460.88	92.74
NC242	368.68	0.03500	460.94	92.26
NC243	369.22	0.03500	461.00	91.78
NC244	369.75	0.03500	461.06	91.31
NC245	370.30	0.03500	461.12	90.82
NC246	370.83	0.03500	461.18	90.35
NC247	371.28	0.03500	461.24	89.96
NC248	371.56	0.03500	461.30	89.74
NC249	365.25	0.03500	460.47	95.22
NC250	365.57	0.03500	460.51	94.94
NC251	365.80	0.03500	460.56	94.76
NC252	366.04	0.03500	460.61	94.57
NC253	366.49	0.03500	460.66	94.17
NC254	366.49	0.03500	460.71	94.22
NC255	366.72	0.03500	460.76	94.04
NC256	366.95	0.03500	460.81	93.86
NC257	367.17	0.03500	460.86	93.69
NC258	367.41	0.03500	460.91	93.50
NC259	367.80	0.03500	460.96	93.16
NC260	368.43	0.03500	461.02	92.59
NC261	369.82	0.03500	461.10	91.28
NC262	373.66	0.03500	461.23	87.57
NC263	371.40	0.51000	459.54	88.14
NT2	372.45	---	458.64	86.19
NT3	372.01	---	457.77	85.76
NT4	371.07	---	457.59	86.52
NT5	368.26	---	456.68	88.42
NT6	367.91	---	456.76	88.85
NT9	369.42	---	459.05	89.63
NT10	369.45	---	458.94	89.49
NT12	367.77	---	457.95	90.18
NT13	367.69	---	457.84	90.15
NT14	367.05	---	457.84	90.79
NT15	364.66	---	457.53	92.87
NT16	364.63	---	457.51	92.88

NT17	362.43	---	457.50	95.07
NT18	369.57	---	459.04	89.47
NT19	369.11	---	458.98	89.87
NT21	366.90	---	458.47	91.57
NT22	366.90	---	458.27	91.37
NT23	366.94	---	458.10	91.16
NT24	363.87	---	457.90	94.03
NT25	363.65	---	457.89	94.24
NT26	361.91	---	457.95	96.04
NT27	374.14	---	459.04	84.90
NT28	369.37	---	458.72	89.35
NT29	368.89	---	458.61	89.72
NT30	364.10	---	458.40	94.30
NT31	363.75	---	458.38	94.63
NT32	360.83	---	458.30	97.47
NT33	374.61	---	459.05	84.44
NT34	369.37	---	458.84	89.47
NT35	369.06	---	458.65	89.59
NT36	364.28	---	458.53	94.25
NT37	363.93	---	458.49	94.56
NT38	360.93	---	458.47	97.54
NT39	374.71	---	459.24	84.53
NT40	369.07	---	458.99	89.92
NT41	368.68	---	459.00	90.32
NT42	364.81	---	458.96	94.15
NT43	364.55	---	458.96	94.41
NT44	361.80	---	458.96	97.16
NT45	374.29	---	459.35	85.06
NT47	368.48	---	459.15	90.67
NT48	365.04	---	459.18	94.14
NT49	364.69	---	459.07	94.38
NT50	362.04	---	459.07	97.03
NT51	372.52	---	459.51	86.99
NT52	368.73	---	459.83	91.10
NT53	368.27	---	459.66	91.39
NT54	365.56	---	459.66	94.10
NT55	365.31	---	459.57	94.26
NT56	363.10	---	459.57	96.47
NT57	371.55	---	459.49	87.94
NT58	371.47	---	459.54	88.07
NT59	372.97	---	460.13	87.16
NT60	371.59	---	460.55	88.96
NT61	371.24	---	460.56	89.32
NT62	369.53	---	460.60	91.07
NT63	369.37	---	460.60	91.23
NT64	367.72	---	460.43	92.71

NT65	367.34	---	460.43	93.09
NT66	366.13	---	460.61	94.48
NT67	365.80	---	460.61	94.81
NT68	364.78	---	460.41	95.63
NT69	373.66	---	461.26	87.60
NT70	373.77	---	461.24	87.47
NT71	373.51	---	460.79	87.28
NT72	373.49	---	460.77	87.28
NT73	372.87	---	460.76	87.89
NT74	372.68	---	460.79	88.11
NT75	371.82	---	461.28	89.46
NT76	371.53	---	461.33	89.80
NT80	371.67	---	461.41	89.74
NT81	373.72	---	461.74	88.02
NT97	374.35	---	459.06	84.71
SG1	374.00	-73.98908	464.00	90.00
SG2	371.68	-21.05451	461.68	90.00
SG3	372.50	-32.20130	462.50	90.00
SG4	371.00	-34.10309	461.00	90.00

Combinación: H1+H4

Nudo	Cota m	Caudal dem. l/s	Alt. piez. m.c.a.	Pre. disp. m.c.a.	Coment.
BR39	364.92	0.00000	458.34	93.42	
BR48	366.95	0.00000	458.68	91.73	
BR52	364.07	0.00000	458.51	94.44	
BR64	365.00	2.50000	458.86	93.86	
BR65	366.77	0.00000	458.88	92.11	
BR88	365.71	0.00000	459.22	93.51	
BR89	367.02	0.00000	459.22	92.20	
BR92	370.26	0.00000	459.19	88.93	
BR93	371.68	0.00000	459.21	87.53	
BR99	372.39	0.00000	459.49	87.10	
BR107	365.38	0.00000	459.83	94.45	
BR115	369.55	0.00000	459.75	90.20	
H1	372.62	16.60000	458.23	85.61	
H2	368.64	0.00000	458.17	89.53	
H3	364.62	0.00000	458.13	93.51	
H4	369.25	16.60000	458.92	89.67	
H5	372.86	0.00000	458.93	86.07	
H6	368.22	0.00000	458.79	90.57	
H7	363.62	0.00000	458.72	95.10	
H8	361.47	0.00000	459.12	97.65	
H9	371.64	0.00000	459.49	87.85	
H10	369.83	0.00000	460.33	90.50	

H11	367.02	0.00000	460.37	93.35		NC43	365.82	0.66500	458.22	92.40	
H12	373.31	0.00000	461.01	87.70		NC44	364.83	0.66500	458.31	93.48	
H13	365.67	0.00000	460.63	94.96		NC45	367.31	0.82250	458.17	90.86	
H14	372.42	0.00000	461.05	88.63		NC46	365.83	0.82250	458.20	92.37	
NC1	372.76	0.28000	458.23	85.47		NC47	365.61	0.82250	458.21	92.60	
NC2	372.81	0.28000	458.23	85.42		NC48	364.62	0.82250	458.31	93.69	
NC3	372.67	0.28000	458.24	85.57		NC49	364.50	0.82250	458.33	93.83	
NC4	372.40	0.28000	458.24	85.84		NC50	363.04	0.82250	458.31	95.27	
NC5	370.61	0.66500	458.21	87.60		NC51	362.80	0.82250	458.31	95.51	
NC6	370.12	0.66500	458.19	88.07		NC52	362.24	0.82250	458.32	96.08	
NC7	369.56	0.66500	458.18	88.62		NC53	368.81	0.57750	458.87	90.06	
NC8	369.10	0.66500	458.17	89.07		NC54	367.69	0.57750	458.79	91.10	
NC9	367.53	0.82250	458.16	90.63		NC55	367.63	0.57750	458.78	91.15	
NC10	365.75	0.82250	458.13	92.38		NC56	367.66	0.57750	458.75	91.09	
NC11	365.44	0.82250	458.13	92.69		NC57	366.80	0.57750	458.70	91.90	
NC12	364.46	0.82250	458.13	93.67		NC58	365.84	0.42000	458.53	92.69	
NC13	364.41	0.82250	458.13	93.72		NC59	364.23	0.42000	458.51	94.28	
NC14	363.64	0.82250	458.16	94.52		NC60	363.94	0.42000	458.51	94.57	
NC15	363.47	0.82250	458.17	94.70		NC61	363.25	0.73500	458.51	95.26	
NC16	362.60	0.82250	458.26	95.66		NC62	369.84	10.00000	458.92	89.08	
NC17	370.49	7.00000	460.21	89.72		NC63	372.47	10.00000	458.93	86.46	
NC18	369.40	7.00000	459.48	90.08		NC64	374.12	10.00000	458.96	84.84	
NC19	371.64	7.00000	458.87	87.23		NC65	374.94	7.00000	459.04	84.10	Pres. min.
NC20	369.92	7.00000	458.92	89.00		NC66	372.11	7.00000	459.24	87.13	
NC21	371.44	0.28000	458.70	87.26		NC67	371.49	0.15000	459.30	87.81	
NC22	370.40	0.28000	458.76	88.36		NC68	369.53	0.57750	458.89	89.36	
NC23	370.25	0.28000	458.77	88.52		NC69	371.51	0.57750	458.90	87.39	
NC24	369.25	0.28000	458.88	89.63		NC70	371.87	0.57750	458.91	87.04	
NC25	369.39	0.28000	458.86	89.47		NC71	373.84	0.57750	458.96	85.12	
NC26	367.78	0.28000	458.63	90.85		NC72	366.55	0.57750	458.73	92.18	
NC27	367.68	0.28000	458.59	90.91		NC73	366.68	0.57750	458.75	92.07	
NC28	367.61	0.28000	458.47	90.86		NC74	368.91	0.57750	458.86	89.95	
NC29	371.65	0.28000	458.25	86.60		NC75	366.60	0.42000	458.64	92.04	
NC30	369.33	0.28000	458.29	88.96		NC76	366.49	0.42000	458.68	92.19	
NC31	368.80	0.28000	458.31	89.51		NC77	367.84	0.42000	458.77	90.93	
NC32	367.62	0.28000	458.37	90.75		NC78	368.65	0.42000	458.83	90.18	
NC33	370.42	0.66500	458.24	87.82		NC79	363.44	0.42000	458.53	95.09	
NC34	368.68	0.66500	458.27	89.59		NC80	363.39	0.42000	458.67	95.28	
NC35	368.20	0.66500	458.28	90.08		NC81	363.78	0.42000	458.74	94.96	
NC36	367.63	0.66500	458.34	90.71		NC82	363.33	0.73500	458.63	95.30	
NC37	367.41	0.66500	458.38	90.97		NC83	373.71	0.57750	458.95	85.24	
NC38	365.81	0.66500	458.36	92.55		NC84	371.54	0.57750	458.91	87.37	
NC39	365.45	0.66500	458.35	92.90		NC85	370.98	0.57750	458.90	87.92	
NC40	364.38	0.66500	458.34	93.96		NC86	369.51	0.57750	458.89	89.38	
NC41	367.94	0.66500	458.18	90.24		NC87	367.98	0.42000	458.83	90.85	
NC42	366.13	0.66500	458.21	92.08		NC88	366.92	0.42000	458.82	91.90	

NC89	365.58	0.42000	458.81	93.23		NC135	361.81	0.03500	459.24	97.43	
NC90	364.80	0.42000	458.80	94.00		NC136	361.66	0.03500	459.24	97.58	
NC91	363.14	0.73500	458.78	95.64		NC137	361.73	0.01750	459.24	97.51	
NC92	374.21	0.01750	459.01	84.80		NC138	374.31	0.03500	459.38	85.07	
NC93	373.97	0.03500	459.01	85.04		NC139	373.90	0.03500	459.42	85.52	
NC94	373.42	0.03500	459.00	85.58		NC140	373.30	0.03500	459.45	86.15	
NC95	372.65	0.03500	459.00	86.35		NC141	372.59	0.03500	459.49	86.90	
NC96	371.84	0.03500	458.99	87.15		NC142	371.90	0.03500	459.52	87.62	
NC97	371.03	0.03500	458.99	87.96		NC143	371.20	0.03500	459.56	88.36	
NC98	370.24	0.03500	458.98	88.74		NC144	370.48	0.03500	459.60	89.12	
NC99	369.67	0.03500	458.98	89.31		NC145	369.79	0.03500	459.64	89.85	
NC100	368.62	0.01750	458.91	90.29		NC146	369.27	0.03500	459.68	90.41	
NC101	368.27	0.03500	458.90	90.63		NC147	368.30	0.01750	459.36	91.06	
NC102	367.51	0.03500	458.89	91.38		NC148	367.96	0.03500	459.36	91.40	
NC103	366.64	0.03500	458.88	92.24		NC149	367.36	0.03500	459.37	92.01	
NC104	365.74	0.03500	458.87	93.13		NC150	366.70	0.03500	459.38	92.68	
NC105	364.88	0.03500	458.86	93.98		NC151	366.03	0.03500	459.38	93.35	
NC106	364.27	0.03500	458.87	94.60		NC152	365.39	0.03500	459.39	94.00	
NC107	363.43	0.03500	458.88	95.45		NC153	364.97	0.03500	459.40	94.43	
NC108	362.99	0.03500	458.88	95.89		NC154	364.29	0.01750	459.33	95.04	
NC109	362.48	0.03500	458.88	96.40		NC155	363.98	0.03500	459.33	95.35	
NC110	361.95	0.03500	458.88	96.93		NC156	363.46	0.03500	459.33	95.87	
NC111	361.44	0.03500	458.88	97.44		NC157	362.89	0.03500	459.33	96.44	
NC112	361.41	0.03500	458.88	97.47		NC158	362.33	0.03500	459.33	97.00	
NC113	361.17	0.03500	458.88	97.71		NC159	361.81	0.03500	459.33	97.52	
NC114	361.16	0.01750	458.88	97.72		NC160	361.53	0.03500	459.33	97.80	
NC115	374.07	0.03500	459.25	85.18		NC161	361.49	0.03500	459.33	97.84	Pres. máx.
NC116	373.47	0.03500	459.24	85.77		NC162	371.80	0.01750	459.52	87.72	
NC117	372.76	0.03500	459.23	86.47		NC163	371.53	0.03500	459.55	88.02	
NC118	372.06	0.03500	459.21	87.15		NC164	371.21	0.03500	459.58	88.37	
NC119	371.35	0.03500	459.20	87.85		NC165	370.89	0.03500	459.61	88.72	
NC120	370.64	0.03500	459.19	88.55		NC166	370.57	0.03500	459.64	89.07	
NC121	369.95	0.03500	459.18	89.23		NC167	370.26	0.03500	459.67	89.41	
NC122	369.45	0.03500	459.18	89.73		NC168	369.93	0.03500	459.71	89.78	
NC123	368.44	0.01750	459.21	90.77		NC169	369.61	0.03500	459.74	90.13	
NC124	368.13	0.03500	459.22	91.09		NC170	369.29	0.03500	459.77	90.48	
NC125	367.52	0.03500	459.22	91.70		NC171	368.99	0.03500	459.81	90.82	
NC126	366.86	0.03500	459.22	92.36		NC172	369.01	0.51000	459.94	90.93	
NC127	366.19	0.03500	459.22	93.03		NC173	368.03	0.01750	459.83	91.80	
NC128	365.57	0.03500	459.22	93.65		NC174	367.80	0.03500	459.83	92.03	
NC129	365.15	0.03500	459.22	94.07		NC175	367.39	0.03500	459.82	92.43	
NC130	364.36	0.03500	459.23	94.87		NC176	366.97	0.03500	459.82	92.85	
NC131	363.90	0.03500	459.23	95.33		NC177	366.55	0.03500	459.82	93.27	
NC132	363.34	0.03500	459.23	95.89		NC178	366.13	0.03500	459.82	93.69	
NC133	362.78	0.03500	459.23	96.45		NC179	365.79	0.03500	459.82	94.03	
NC134	362.22	0.03500	459.24	97.02		NC180	365.78	0.31200	459.91	94.13	

NC181	365.44	0.34200	459.87	94.43
NC182	365.09	0.01750	459.77	94.68
NC183	364.86	0.03500	459.77	94.91
NC184	364.45	0.03500	459.77	95.32
NC185	364.03	0.03500	459.77	95.74
NC186	363.60	0.03500	459.77	96.17
NC187	363.19	0.03500	459.77	96.58
NC188	362.95	0.03500	459.77	96.82
NC189	362.96	0.03500	459.77	96.81
NC190	372.76	0.01750	460.42	87.66
NC191	372.38	0.03500	460.51	88.13
NC192	370.71	0.31200	460.49	89.78
NC193	364.52	0.34200	460.39	95.87
NC194	372.86	0.03500	460.40	87.54
NC195	373.17	0.03500	460.58	87.41
NC196	373.32	0.03500	460.70	87.38
NC197	373.38	0.03500	460.82	87.44
NC198	373.24	0.03500	460.95	87.71
NC199	373.03	0.03500	461.01	87.98
NC200	371.84	0.03500	460.77	88.93
NC201	372.57	0.03500	460.94	88.37
NC202	373.22	0.03500	461.11	87.89
NC203	373.77	0.03500	461.28	87.51
NC204	370.52	0.03500	460.72	90.20
NC205	371.56	0.03500	460.76	89.20
NC206	372.55	0.03500	460.79	88.24
NC207	373.27	0.03500	460.83	87.56
NC208	369.71	0.03500	460.69	90.98
NC209	370.43	0.03500	460.72	90.29
NC210	371.27	0.03500	460.74	89.47
NC211	372.16	0.03500	460.77	88.61
NC212	372.87	0.03500	460.80	87.93
NC213	373.26	0.01750	460.82	87.56
NC214	368.79	0.03500	460.59	91.80
NC215	369.58	0.03500	460.63	91.05
NC216	370.41	0.03500	460.67	90.26
NC217	371.22	0.03500	460.72	89.50
NC218	371.95	0.03500	460.76	88.81
NC219	372.42	0.01750	460.81	88.39
NC220	368.22	0.03500	460.56	92.34
NC221	368.88	0.03500	460.60	91.72
NC222	369.55	0.03500	460.64	91.09
NC223	370.25	0.03500	460.68	90.43
NC224	370.96	0.03500	460.72	89.76
NC225	371.63	0.03500	460.75	89.12
NC226	372.16	0.03500	460.79	88.63

NC227	372.52	0.03500	460.84	88.32
NC228	366.31	0.01750	460.74	94.43
NC229	366.81	0.03500	460.80	93.99
NC230	367.41	0.03500	460.85	93.44
NC231	368.03	0.03500	460.91	92.88
NC232	368.64	0.03500	460.97	92.33
NC233	369.25	0.03500	461.03	91.78
NC234	369.86	0.03500	461.09	91.23
NC235	370.47	0.03500	461.15	90.68
NC236	371.08	0.03500	461.21	90.13
NC237	366.11	0.03500	460.74	94.63
NC238	366.53	0.03500	460.79	94.26
NC239	367.07	0.03500	460.84	93.77
NC240	367.61	0.03500	460.89	93.28
NC241	368.14	0.03500	460.94	92.80
NC242	368.68	0.03500	461.00	92.32
NC243	369.22	0.03500	461.05	91.83
NC244	369.75	0.03500	461.11	91.36
NC245	370.30	0.03500	461.16	90.86
NC246	370.83	0.03500	461.22	90.39
NC247	371.28	0.03500	461.28	90.00
NC248	371.56	0.03500	461.33	89.77
NC249	365.25	0.03500	460.57	95.32
NC250	365.57	0.03500	460.61	95.04
NC251	365.80	0.03500	460.66	94.86
NC252	366.04	0.03500	460.70	94.66
NC253	366.49	0.03500	460.74	94.25
NC254	366.49	0.03500	460.79	94.30
NC255	366.72	0.03500	460.83	94.11
NC256	366.95	0.03500	460.88	93.93
NC257	367.17	0.03500	460.93	93.76
NC258	367.41	0.03500	460.98	93.57
NC259	367.80	0.03500	461.02	93.22
NC260	368.43	0.03500	461.07	92.64
NC261	369.82	0.03500	461.15	91.33
NC262	373.66	0.03500	461.26	87.60
NC263	371.40	0.51000	459.50	88.10
NT2	372.45	---	458.68	86.23
NT3	372.01	---	458.24	86.23
NT4	371.07	---	458.23	87.16
NT5	368.26	---	458.17	89.91
NT6	367.91	---	458.17	90.26
NT9	369.42	---	458.95	89.53
NT10	369.45	---	458.89	89.44
NT12	367.77	---	458.39	90.62
NT13	367.69	---	458.36	90.67

NT14	367.05	---	458.39	91.34
NT15	364.66	---	458.34	93.68
NT16	364.63	---	458.33	93.70
NT17	362.43	---	458.33	95.90
NT18	369.57	---	458.92	89.35
NT19	369.11	---	458.89	89.78
NT21	366.90	---	458.70	91.80
NT22	366.90	---	458.62	91.72
NT23	366.94	---	458.54	91.60
NT24	363.87	---	458.51	94.64
NT25	363.65	---	458.51	94.86
NT26	361.91	---	458.56	96.65
NT27	374.14	---	458.97	84.83
NT28	369.37	---	458.89	89.52
NT29	368.89	---	458.86	89.97
NT30	364.10	---	458.80	94.70
NT31	363.75	---	458.80	95.05
NT32	360.83	---	458.77	97.94
NT33	374.61	---	459.02	84.41
NT34	369.37	---	458.97	89.60
NT35	369.06	---	458.91	89.85
NT36	364.28	---	458.87	94.59
NT37	363.93	---	458.89	94.96
NT38	360.93	---	458.88	97.95
NT39	374.71	---	459.26	84.55
NT40	369.07	---	459.17	90.10
NT41	368.68	---	459.21	90.53
NT42	364.81	---	459.22	94.41
NT43	364.55	---	459.23	94.68
NT44	361.80	---	459.24	97.44
NT45	374.29	---	459.37	85.08
NT47	368.48	---	459.36	90.88
NT48	365.04	---	459.40	94.36
NT49	364.69	---	459.33	94.64
NT50	362.04	---	459.34	97.30
NT51	372.52	---	459.49	86.97
NT52	368.73	---	459.84	91.11
NT53	368.27	---	459.83	91.56
NT54	365.56	---	459.82	94.26
NT55	365.31	---	459.77	94.46
NT56	363.10	---	459.77	96.67
NT57	371.55	---	459.44	87.89
NT58	371.47	---	459.50	88.03
NT59	372.97	---	460.13	87.16
NT60	371.59	---	460.59	89.00
NT61	371.24	---	460.62	89.38

NT62	369.53	---	460.67	91.14
NT63	369.37	---	460.67	91.30
NT64	367.72	---	460.53	92.81
NT65	367.34	---	460.53	93.19
NT66	366.13	---	460.70	94.57
NT67	365.80	---	460.70	94.90
NT68	364.78	---	460.52	95.74
NT69	373.66	---	461.29	87.63
NT70	373.77	---	461.28	87.51
NT71	373.51	---	460.86	87.35
NT72	373.49	---	460.83	87.34
NT73	372.87	---	460.83	87.96
NT74	372.68	---	460.86	88.18
NT75	371.82	---	461.31	89.49
NT76	371.53	---	461.36	89.83
NT80	371.67	---	461.43	89.76
NT81	373.72	---	461.76	88.04
NT97	374.35	---	458.98	84.63
SG1	374.00	-74.75389	464.00	90.00
SG2	371.68	-20.12083	461.68	90.00
SG3	372.50	-31.75081	462.50	90.00
SG4	371.00	-34.72244	461.00	90.00

Combinación: H2+H3

Nudo	Cota m	Caudal dem. l/s	Alt. piez. m.c.a.	Pre. disp. m.c.a.	Coment.
BR39	364.92	0.00000	456.77	91.85	
BR48	366.95	0.00000	458.14	91.19	
BR52	364.07	0.00000	457.16	93.09	
BR64	365.00	2.50000	458.09	93.09	
BR65	366.77	0.00000	458.18	91.41	
BR88	365.71	0.00000	458.65	92.94	
BR89	367.02	0.00000	458.69	91.67	
BR92	370.26	0.00000	458.87	88.61	
BR93	371.68	0.00000	458.97	87.29	
BR99	372.39	0.00000	459.54	87.15	
BR107	365.38	0.00000	459.37	93.99	
BR115	369.55	0.00000	459.73	90.18	
H1	372.62	0.00000	458.80	86.18	
H2	368.64	16.60000	454.94	86.30	
H3	364.62	16.60000	453.54	88.92	
H4	369.25	0.00000	459.15	89.90	
H5	372.86	0.00000	459.07	86.21	
H6	368.22	0.00000	458.17	89.95	
H7	363.62	0.00000	457.64	94.02	

H8	361.47	0.00000	458.35	96.88		NC40	364.38	0.66500	456.57	92.19	
H9	371.64	0.00000	459.55	87.91		NC41	367.94	0.66500	455.08	87.14	
H10	369.83	0.00000	460.12	90.29		NC42	366.13	0.66500	455.58	89.45	
H11	367.02	0.00000	460.09	93.07		NC43	365.82	0.66500	455.70	89.88	
H12	373.31	0.00000	460.96	87.65		NC44	364.83	0.66500	456.33	91.50	
H13	365.67	0.00000	460.40	94.73		NC45	367.31	0.82250	455.08	87.77	
H14	372.42	0.00000	460.93	88.51		NC46	365.83	0.82250	455.54	89.71	
NC1	372.76	0.28000	458.60	85.84		NC47	365.61	0.82250	455.64	90.03	
NC2	372.81	0.28000	458.48	85.67		NC48	364.62	0.82250	456.29	91.67	
NC3	372.67	0.28000	458.10	85.43		NC49	364.50	0.82250	456.38	91.88	
NC4	372.40	0.28000	457.92	85.52		NC50	363.04	0.82250	456.23	93.19	
NC5	370.61	0.66500	456.87	86.26		NC51	362.80	0.82250	456.20	93.40	
NC6	370.12	0.66500	456.42	86.30		NC52	362.24	0.82250	456.15	93.91	
NC7	369.56	0.66500	455.73	86.17		NC53	368.81	0.57750	458.99	90.18	
NC8	369.10	0.66500	455.25	86.15		NC54	367.69	0.57750	458.72	91.03	
NC9	367.53	0.82250	454.82	87.29		NC55	367.63	0.57750	458.69	91.06	
NC10	365.75	0.82250	454.17	88.42		NC56	367.66	0.57750	458.51	90.85	
NC11	365.44	0.82250	454.08	88.64		NC57	366.80	0.57750	458.22	91.42	
NC12	364.46	0.82250	453.59	89.13		NC58	365.84	0.42000	457.49	91.65	
NC13	364.41	0.82250	453.63	89.22		NC59	364.23	0.42000	457.21	92.98	
NC14	363.64	0.82250	454.40	90.76		NC60	363.94	0.42000	457.11	93.17	
NC15	363.47	0.82250	454.59	91.12		NC61	363.25	0.73500	457.07	93.82	
NC16	362.60	0.82250	455.60	93.00		NC62	369.84	10.00000	459.14	89.30	
NC17	370.49	7.00000	460.38	89.89		NC63	372.47	10.00000	459.14	86.67	
NC18	369.40	7.00000	459.69	90.29		NC64	374.12	10.00000	459.15	85.03	
NC19	371.64	7.00000	459.12	87.48		NC65	374.94	7.00000	459.20	84.26	Pres. min.
NC20	369.92	7.00000	459.16	89.24		NC66	372.11	7.00000	459.37	87.26	
NC21	371.44	0.28000	459.02	87.58		NC67	371.49	0.15000	459.42	87.93	
NC22	370.40	0.28000	459.04	88.64		NC68	369.53	0.57750	459.05	89.52	
NC23	370.25	0.28000	459.05	88.80		NC69	371.51	0.57750	459.06	87.55	
NC24	369.25	0.28000	459.08	89.83		NC70	371.87	0.57750	459.06	87.19	
NC25	369.39	0.28000	459.01	89.62		NC71	373.84	0.57750	459.09	85.25	
NC26	367.78	0.28000	458.43	90.65		NC72	366.55	0.57750	458.27	91.72	
NC27	367.68	0.28000	458.34	90.66		NC73	366.68	0.57750	458.31	91.63	
NC28	367.61	0.28000	458.02	90.41		NC74	368.91	0.57750	458.46	89.55	
NC29	371.65	0.28000	457.77	86.12		NC75	366.60	0.42000	457.94	91.34	
NC30	369.33	0.28000	457.78	88.45		NC76	366.49	0.42000	458.01	91.52	
NC31	368.80	0.28000	457.78	88.98		NC77	367.84	0.42000	458.15	90.31	
NC32	367.62	0.28000	457.79	90.17		NC78	368.65	0.42000	458.24	89.59	
NC33	370.42	0.66500	457.30	86.88		NC79	363.44	0.42000	457.18	93.74	
NC34	368.68	0.66500	457.36	88.68		NC80	363.39	0.42000	457.54	94.15	
NC35	368.20	0.66500	457.38	89.18		NC81	363.78	0.42000	457.74	93.96	
NC36	367.63	0.66500	457.48	89.85		NC82	363.33	0.73500	457.42	94.09	
NC37	367.41	0.66500	457.43	90.02		NC83	373.71	0.57750	458.97	85.26	
NC38	365.81	0.66500	457.07	91.26		NC84	371.54	0.57750	458.72	87.18	
NC39	365.45	0.66500	457.00	91.55		NC85	370.98	0.57750	458.67	87.69	

NC86	369.51	0.57750	458.53	89.02		NC132	363.34	0.03500	458.58	95.24	
NC87	367.98	0.42000	458.15	90.17		NC133	362.78	0.03500	458.58	95.80	
NC88	366.92	0.42000	458.07	91.15		NC134	362.22	0.03500	458.58	96.36	
NC89	365.58	0.42000	457.98	92.40		NC135	361.81	0.03500	458.58	96.77	
NC90	364.80	0.42000	457.94	93.14		NC136	361.66	0.03500	458.58	96.92	
NC91	363.14	0.73500	457.78	94.64		NC137	361.73	0.01750	458.57	96.84	
NC92	374.21	0.01750	459.07	84.86		NC138	374.31	0.03500	459.36	85.05	
NC93	373.97	0.03500	459.03	85.06		NC139	373.90	0.03500	459.39	85.49	
NC94	373.42	0.03500	458.97	85.55		NC140	373.30	0.03500	459.43	86.13	
NC95	372.65	0.03500	458.92	86.27		NC141	372.59	0.03500	459.46	86.87	
NC96	371.84	0.03500	458.86	87.02		NC142	371.90	0.03500	459.50	87.60	
NC97	371.03	0.03500	458.81	87.78		NC143	371.20	0.03500	459.53	88.33	
NC98	370.24	0.03500	458.75	88.51		NC144	370.48	0.03500	459.57	89.09	
NC99	369.67	0.03500	458.70	89.03		NC145	369.79	0.03500	459.61	89.82	
NC100	368.62	0.01750	458.29	89.67		NC146	369.27	0.03500	459.65	90.38	
NC101	368.27	0.03500	458.26	89.99		NC147	368.30	0.01750	458.90	90.60	
NC102	367.51	0.03500	458.21	90.70		NC148	367.96	0.03500	458.90	90.94	
NC103	366.64	0.03500	458.17	91.53		NC149	367.36	0.03500	458.90	91.54	
NC104	365.74	0.03500	458.13	92.39		NC150	366.70	0.03500	458.90	92.20	
NC105	364.88	0.03500	458.09	93.21		NC151	366.03	0.03500	458.90	92.87	
NC106	364.27	0.03500	458.08	93.81		NC152	365.39	0.03500	458.91	93.52	
NC107	363.43	0.03500	457.95	94.52		NC153	364.97	0.03500	458.91	93.94	
NC108	362.99	0.03500	457.94	94.95		NC154	364.29	0.01750	458.72	94.43	
NC109	362.48	0.03500	457.94	95.46		NC155	363.98	0.03500	458.72	94.74	
NC110	361.95	0.03500	457.93	95.98		NC156	363.46	0.03500	458.71	95.25	
NC111	361.44	0.03500	457.92	96.48		NC157	362.89	0.03500	458.71	95.82	
NC112	361.41	0.03500	457.92	96.51		NC158	362.33	0.03500	458.71	96.38	
NC113	361.17	0.03500	457.91	96.74		NC159	361.81	0.03500	458.71	96.90	
NC114	361.16	0.01750	457.91	96.75		NC160	361.53	0.03500	458.71	97.18	
NC115	374.07	0.03500	459.15	85.08		NC161	361.49	0.03500	458.71	97.22	Pres. máx.
NC116	373.47	0.03500	459.10	85.63		NC162	371.80	0.01750	459.55	87.75	
NC117	372.76	0.03500	459.04	86.28		NC163	371.53	0.03500	459.57	88.04	
NC118	372.06	0.03500	458.99	86.93		NC164	371.21	0.03500	459.60	88.39	
NC119	371.35	0.03500	458.94	87.59		NC165	370.89	0.03500	459.62	88.73	
NC120	370.64	0.03500	458.89	88.25		NC166	370.57	0.03500	459.65	89.08	
NC121	369.95	0.03500	458.84	88.89		NC167	370.26	0.03500	459.67	89.41	
NC122	369.45	0.03500	458.79	89.34		NC168	369.93	0.03500	459.70	89.77	
NC123	368.44	0.01750	458.73	90.29		NC169	369.61	0.03500	459.73	90.12	
NC124	368.13	0.03500	458.72	90.59		NC170	369.29	0.03500	459.75	90.46	
NC125	367.52	0.03500	458.70	91.18		NC171	368.99	0.03500	459.78	90.79	
NC126	366.86	0.03500	458.68	91.82		NC172	369.01	0.51000	459.90	90.89	
NC127	366.19	0.03500	458.66	92.47		NC173	368.03	0.01750	459.46	91.43	
NC128	365.57	0.03500	458.65	93.08		NC174	367.80	0.03500	459.46	91.66	
NC129	365.15	0.03500	458.63	93.48		NC175	367.39	0.03500	459.46	92.07	
NC130	364.36	0.03500	458.59	94.23		NC176	366.97	0.03500	459.46	92.49	
NC131	363.90	0.03500	458.59	94.69		NC177	366.55	0.03500	459.46	92.91	

NC178	366.13	0.03500	459.46	93.33
NC179	365.79	0.03500	459.46	93.67
NC180	365.78	0.31200	459.56	93.78
NC181	365.44	0.34200	459.43	93.99
NC182	365.09	0.01750	459.30	94.21
NC183	364.86	0.03500	459.30	94.44
NC184	364.45	0.03500	459.30	94.85
NC185	364.03	0.03500	459.30	95.27
NC186	363.60	0.03500	459.30	95.70
NC187	363.19	0.03500	459.30	96.11
NC188	362.95	0.03500	459.30	96.35
NC189	362.96	0.03500	459.30	96.34
NC190	372.76	0.01750	460.35	87.59
NC191	372.38	0.03500	460.42	88.04
NC192	370.71	0.31200	460.32	89.61
NC193	364.52	0.34200	460.10	95.58
NC194	372.86	0.03500	460.39	87.53
NC195	373.17	0.03500	460.56	87.39
NC196	373.32	0.03500	460.68	87.36
NC197	373.38	0.03500	460.79	87.41
NC198	373.24	0.03500	460.91	87.67
NC199	373.03	0.03500	460.94	87.91
NC200	371.84	0.03500	460.64	88.80
NC201	372.57	0.03500	460.82	88.25
NC202	373.22	0.03500	461.01	87.79
NC203	373.77	0.03500	461.18	87.41
NC204	370.52	0.03500	460.57	90.05
NC205	371.56	0.03500	460.60	89.04
NC206	372.55	0.03500	460.64	88.09
NC207	373.27	0.03500	460.68	87.41
NC208	369.71	0.03500	460.53	90.82
NC209	370.43	0.03500	460.56	90.13
NC210	371.27	0.03500	460.58	89.31
NC211	372.16	0.03500	460.61	88.45
NC212	372.87	0.03500	460.64	87.77
NC213	373.26	0.01750	460.66	87.40
NC214	368.79	0.03500	460.38	91.59
NC215	369.58	0.03500	460.43	90.85
NC216	370.41	0.03500	460.48	90.07
NC217	371.22	0.03500	460.54	89.32
NC218	371.95	0.03500	460.59	88.64
NC219	372.42	0.01750	460.64	88.22
NC220	368.22	0.03500	460.34	92.12
NC221	368.88	0.03500	460.39	91.51
NC222	369.55	0.03500	460.44	90.89
NC223	370.25	0.03500	460.48	90.23

NC224	370.96	0.03500	460.53	89.57
NC225	371.63	0.03500	460.58	88.95
NC226	372.16	0.03500	460.63	88.47
NC227	372.52	0.03500	460.68	88.16
NC228	366.31	0.01750	460.55	94.24
NC229	366.81	0.03500	460.61	93.80
NC230	367.41	0.03500	460.68	93.27
NC231	368.03	0.03500	460.75	92.72
NC232	368.64	0.03500	460.83	92.19
NC233	369.25	0.03500	460.90	91.65
NC234	369.86	0.03500	460.97	91.11
NC235	370.47	0.03500	461.05	90.58
NC236	371.08	0.03500	461.12	90.04
NC237	366.11	0.03500	460.54	94.43
NC238	366.53	0.03500	460.61	94.08
NC239	367.07	0.03500	460.67	93.60
NC240	367.61	0.03500	460.73	93.12
NC241	368.14	0.03500	460.79	92.65
NC242	368.68	0.03500	460.86	92.18
NC243	369.22	0.03500	460.92	91.70
NC244	369.75	0.03500	460.99	91.24
NC245	370.30	0.03500	461.06	90.76
NC246	370.83	0.03500	461.13	90.30
NC247	371.28	0.03500	461.19	89.91
NC248	371.56	0.03500	461.26	89.70
NC249	365.25	0.03500	460.33	95.08
NC250	365.57	0.03500	460.38	94.81
NC251	365.80	0.03500	460.43	94.63
NC252	366.04	0.03500	460.49	94.45
NC253	366.49	0.03500	460.54	94.05
NC254	366.49	0.03500	460.60	94.11
NC255	366.72	0.03500	460.65	93.93
NC256	366.95	0.03500	460.71	93.76
NC257	367.17	0.03500	460.77	93.60
NC258	367.41	0.03500	460.82	93.41
NC259	367.80	0.03500	460.88	93.08
NC260	368.43	0.03500	460.94	92.51
NC261	369.82	0.03500	461.04	91.22
NC262	373.66	0.03500	461.20	87.54
NC263	371.40	0.51000	459.58	88.18
NT2	372.45	---	459.02	86.57
NT3	372.01	---	457.77	85.76
NT4	371.07	---	457.28	86.21
NT5	368.26	---	454.98	86.72
NT6	367.91	---	454.97	87.06
NT9	369.42	---	459.19	89.77

NT10	369.45	---	459.09	89.64
NT12	367.77	---	457.80	90.03
NT13	367.69	---	457.50	89.81
NT14	367.05	---	457.42	90.37
NT15	364.66	---	456.50	91.84
NT16	364.63	---	456.42	91.79
NT17	362.43	---	456.15	93.72
NT18	369.57	---	459.15	89.58
NT19	369.11	---	459.06	89.95
NT21	366.90	---	458.22	91.32
NT22	366.90	---	457.91	91.01
NT23	366.94	---	457.66	90.72
NT24	363.87	---	457.09	93.22
NT25	363.65	---	457.07	93.42
NT26	361.91	---	457.08	95.17
NT27	374.14	---	459.10	84.96
NT28	369.37	---	458.51	89.14
NT29	368.89	---	458.29	89.40
NT30	364.10	---	457.88	93.78
NT31	363.75	---	457.82	94.07
NT32	360.83	---	457.65	96.82
NT33	374.61	---	459.09	84.48
NT34	369.37	---	458.65	89.28
NT35	369.06	---	458.32	89.26
NT36	364.28	---	458.08	93.80
NT37	363.93	---	457.96	94.03
NT38	360.93	---	457.90	96.97
NT39	374.71	---	459.22	84.51
NT40	369.07	---	458.75	89.68
NT41	368.68	---	458.75	90.07
NT42	364.81	---	458.62	93.81
NT43	364.55	---	458.59	94.04
NT44	361.80	---	458.57	96.77
NT45	374.29	---	459.34	85.05
NT47	368.48	---	458.90	90.42
NT48	365.04	---	458.91	93.87
NT49	364.69	---	458.72	94.03
NT50	362.04	---	458.71	96.67
NT51	372.52	---	459.53	87.01
NT52	368.73	---	459.81	91.08
NT53	368.27	---	459.47	91.20
NT54	365.56	---	459.46	93.90
NT55	365.31	---	459.30	93.99
NT56	363.10	---	459.30	96.20
NT57	371.55	---	459.55	88.00
NT58	371.47	---	459.58	88.11

NT59	372.97	---	460.13	87.16
NT60	371.59	---	460.48	88.89
NT61	371.24	---	460.49	89.25
NT62	369.53	---	460.51	90.98
NT63	369.37	---	460.51	91.14
NT64	367.72	---	460.31	92.59
NT65	367.34	---	460.31	92.97
NT66	366.13	---	460.49	94.36
NT67	365.80	---	460.49	94.69
NT68	364.78	---	460.26	95.48
NT69	373.66	---	461.23	87.57
NT70	373.77	---	461.19	87.42
NT71	373.51	---	460.71	87.20
NT72	373.49	---	460.68	87.19
NT73	372.87	---	460.67	87.80
NT74	372.68	---	460.71	88.03
NT75	371.82	---	461.24	89.42
NT76	371.53	---	461.29	89.76
NT80	371.67	---	461.38	89.71
NT81	373.72	---	461.72	88.00
NT97	374.35	---	459.15	84.80
SG1	374.00	-72.95662	464.00	90.00
SG2	371.68	-22.22476	461.68	90.00
SG3	372.50	-32.75852	462.50	90.00
SG4	371.00	-33.40808	461.00	90.00

Combinación: H3+H8

Nudo	Cota m	Caudal dem. l/s	Alt. piez. m.c.a.	Pre. disp. m.c.a.	Coment.
BR39	364.92	0.00000	457.03	92.11	
BR48	366.95	0.00000	457.99	91.04	
BR52	364.07	0.00000	457.11	93.04	
BR64	365.00	2.50000	457.65	92.65	
BR65	366.77	0.00000	457.77	91.00	
BR88	365.71	0.00000	458.10	92.39	
BR89	367.02	0.00000	458.18	91.16	
BR92	370.26	0.00000	458.53	88.27	
BR93	371.68	0.00000	458.66	86.98	
BR99	372.39	0.00000	459.34	86.95	
BR107	365.38	0.00000	458.54	93.16	
BR115	369.55	0.00000	459.46	89.91	
H1	372.62	0.00000	458.78	86.16	
H2	368.64	0.00000	456.59	87.95	
H3	364.62	16.60000	454.26	89.64	
H4	369.25	0.00000	459.05	89.80	

H5	372.86	0.00000	458.95	86.09		NC37	367.41	0.66500	457.57	90.16	
H6	368.22	0.00000	457.91	89.69		NC38	365.81	0.66500	457.26	91.45	
H7	363.62	0.00000	457.23	93.61		NC39	365.45	0.66500	457.21	91.76	
H8	361.47	16.60000	456.92	95.45		NC40	364.38	0.66500	456.88	92.50	
H9	371.64	0.00000	459.37	87.73		NC41	367.94	0.66500	456.56	88.62	
H10	369.83	0.00000	459.60	89.77		NC42	366.13	0.66500	456.63	90.50	
H11	367.02	0.00000	459.29	92.27		NC43	365.82	0.66500	456.65	90.83	
H12	373.31	0.00000	460.69	87.38		NC44	364.83	0.66500	456.79	91.96	
H13	365.67	0.00000	459.78	94.11		NC45	367.31	0.82250	456.38	89.07	
H14	372.42	16.60000	459.61	87.19		NC46	365.83	0.82250	456.47	90.64	
NC1	372.76	0.28000	458.62	85.86		NC47	365.61	0.82250	456.49	90.88	
NC2	372.81	0.28000	458.53	85.72		NC48	364.62	0.82250	456.69	92.07	
NC3	372.67	0.28000	458.23	85.56		NC49	364.50	0.82250	456.66	92.16	
NC4	372.40	0.28000	458.09	85.69		NC50	363.04	0.82250	456.41	93.37	
NC5	370.61	0.66500	457.44	86.83		NC51	362.80	0.82250	456.35	93.55	
NC6	370.12	0.66500	457.23	87.11		NC52	362.24	0.82250	456.23	93.99	
NC7	369.56	0.66500	456.91	87.35		NC53	368.81	0.57750	458.87	90.06	
NC8	369.10	0.66500	456.71	87.61		NC54	367.69	0.57750	458.59	90.90	
NC9	367.53	0.82250	456.15	88.62		NC55	367.63	0.57750	458.56	90.93	
NC10	365.75	0.82250	455.24	89.49		NC56	367.66	0.57750	458.37	90.71	
NC11	365.44	0.82250	455.10	89.66		NC57	366.80	0.57750	458.07	91.27	
NC12	364.46	0.82250	454.35	89.89		NC58	365.84	0.42000	457.46	91.62	
NC13	364.41	0.82250	454.33	89.92		NC59	364.23	0.42000	457.16	92.93	
NC14	363.64	0.82250	454.88	91.24		NC60	363.94	0.42000	457.06	93.12	
NC15	363.47	0.82250	455.03	91.56		NC61	363.25	0.73500	456.91	93.66	
NC16	362.60	0.82250	455.79	93.19		NC62	369.84	10.00000	459.04	89.20	
NC17	370.49	7.00000	460.32	89.83		NC63	372.47	10.00000	459.03	86.56	
NC18	369.40	7.00000	459.61	90.21		NC64	374.12	10.00000	459.03	84.91	
NC19	371.64	7.00000	459.04	87.40		NC65	374.94	7.00000	459.09	84.15	Pres. min.
NC20	369.92	7.00000	459.07	89.15		NC66	372.11	7.00000	459.25	87.14	
NC21	371.44	0.28000	458.96	87.52		NC67	371.49	0.15000	459.30	87.81	
NC22	370.40	0.28000	458.97	88.57		NC68	369.53	0.57750	458.94	89.41	
NC23	370.25	0.28000	458.98	88.73		NC69	371.51	0.57750	458.94	87.43	
NC24	369.25	0.28000	459.01	89.76		NC70	371.87	0.57750	458.94	87.07	
NC25	369.39	0.28000	458.95	89.56		NC71	373.84	0.57750	458.95	85.11	
NC26	367.78	0.28000	458.48	90.70		NC72	366.55	0.57750	458.09	91.54	
NC27	367.68	0.28000	458.41	90.73		NC73	366.68	0.57750	458.11	91.43	
NC28	367.61	0.28000	458.15	90.54		NC74	368.91	0.57750	458.20	89.29	
NC29	371.65	0.28000	457.97	86.32		NC75	366.60	0.42000	457.81	91.21	
NC30	369.33	0.28000	457.97	88.64		NC76	366.49	0.42000	457.84	91.35	
NC31	368.80	0.28000	457.97	89.17		NC77	367.84	0.42000	457.90	90.06	
NC32	367.62	0.28000	457.97	90.35		NC78	368.65	0.42000	457.94	89.29	
NC33	370.42	0.66500	457.65	87.23		NC79	363.44	0.42000	457.08	93.64	
NC34	368.68	0.66500	457.66	88.98		NC80	363.39	0.42000	457.26	93.87	
NC35	368.20	0.66500	457.66	89.46		NC81	363.78	0.42000	457.36	93.58	
NC36	367.63	0.66500	457.70	90.07		NC82	363.33	0.73500	457.13	93.80	

NC83	373.71	0.57750	458.81	85.10		NC129	365.15	0.03500	458.05	92.90	
NC84	371.54	0.57750	458.50	86.96		NC130	364.36	0.03500	457.78	93.42	
NC85	370.98	0.57750	458.44	87.46		NC131	363.90	0.03500	457.74	93.84	
NC86	369.51	0.57750	458.26	88.75		NC132	363.34	0.03500	457.70	94.36	
NC87	367.98	0.42000	457.79	89.81		NC133	362.78	0.03500	457.66	94.88	
NC88	366.92	0.42000	457.69	90.77		NC134	362.22	0.03500	457.63	95.41	
NC89	365.58	0.42000	457.58	92.00		NC135	361.81	0.03500	457.59	95.78	
NC90	364.80	0.42000	457.53	92.73		NC136	361.66	0.03500	457.55	95.89	
NC91	363.14	0.73500	457.23	94.09		NC137	361.73	0.01750	457.52	95.79	
NC92	374.21	0.01750	458.91	84.70		NC138	374.31	0.03500	459.14	84.83	
NC93	373.97	0.03500	458.85	84.88		NC139	373.90	0.03500	459.17	85.27	
NC94	373.42	0.03500	458.78	85.36		NC140	373.30	0.03500	459.20	85.90	
NC95	372.65	0.03500	458.70	86.05		NC141	372.59	0.03500	459.23	86.64	
NC96	371.84	0.03500	458.63	86.79		NC142	371.90	0.03500	459.25	87.35	
NC97	371.03	0.03500	458.55	87.52		NC143	371.20	0.03500	459.28	88.08	
NC98	370.24	0.03500	458.48	88.24		NC144	370.48	0.03500	459.31	88.83	
NC99	369.67	0.03500	458.40	88.73		NC145	369.79	0.03500	459.35	89.56	
NC100	368.62	0.01750	457.93	89.31		NC146	369.27	0.03500	459.38	90.11	
NC101	368.27	0.03500	457.89	89.62		NC147	368.30	0.01750	458.41	90.11	
NC102	367.51	0.03500	457.82	90.31		NC148	367.96	0.03500	458.40	90.44	
NC103	366.64	0.03500	457.76	91.12		NC149	367.36	0.03500	458.40	91.04	
NC104	365.74	0.03500	457.70	91.96		NC150	366.70	0.03500	458.40	91.70	
NC105	364.88	0.03500	457.65	92.77		NC151	366.03	0.03500	458.40	92.37	
NC106	364.27	0.03500	457.64	93.37		NC152	365.39	0.03500	458.39	93.00	
NC107	363.43	0.03500	457.30	93.87		NC153	364.97	0.03500	458.39	93.42	
NC108	362.99	0.03500	457.25	94.26		NC154	364.29	0.01750	457.88	93.59	
NC109	362.48	0.03500	457.20	94.72		NC155	363.98	0.03500	457.86	93.88	
NC110	361.95	0.03500	457.15	95.20		NC156	363.46	0.03500	457.84	94.38	
NC111	361.44	0.03500	457.11	95.67		NC157	362.89	0.03500	457.83	94.94	
NC112	361.41	0.03500	457.06	95.65		NC158	362.33	0.03500	457.81	95.48	
NC113	361.17	0.03500	457.01	95.84		NC159	361.81	0.03500	457.79	95.98	
NC114	361.16	0.01750	456.98	95.82		NC160	361.53	0.03500	457.77	96.24	
NC115	374.07	0.03500	458.91	84.84		NC161	361.49	0.03500	457.76	96.27	Pres. máx.
NC116	373.47	0.03500	458.84	85.37		NC162	371.80	0.01750	459.35	87.55	
NC117	372.76	0.03500	458.77	86.01		NC163	371.53	0.03500	459.36	87.83	
NC118	372.06	0.03500	458.70	86.64		NC164	371.21	0.03500	459.37	88.16	
NC119	371.35	0.03500	458.63	87.28		NC165	370.89	0.03500	459.39	88.50	
NC120	370.64	0.03500	458.56	87.92		NC166	370.57	0.03500	459.41	88.84	
NC121	369.95	0.03500	458.49	88.54		NC167	370.26	0.03500	459.42	89.16	
NC122	369.45	0.03500	458.43	88.98		NC168	369.93	0.03500	459.44	89.51	
NC123	368.44	0.01750	458.28	89.84		NC169	369.61	0.03500	459.46	89.85	
NC124	368.13	0.03500	458.26	90.13		NC170	369.29	0.03500	459.47	90.18	
NC125	367.52	0.03500	458.21	90.69		NC171	368.99	0.03500	459.49	90.50	
NC126	366.86	0.03500	458.17	91.31		NC172	369.01	0.51000	459.57	90.56	
NC127	366.19	0.03500	458.13	91.94		NC173	368.03	0.01750	458.91	90.88	
NC128	365.57	0.03500	458.09	92.52		NC174	367.80	0.03500	458.91	91.11	

NC175	367.39	0.03500	458.90	91.51
NC176	366.97	0.03500	458.90	91.93
NC177	366.55	0.03500	458.89	92.34
NC178	366.13	0.03500	458.89	92.76
NC179	365.79	0.03500	458.89	93.10
NC180	365.78	0.31200	458.96	93.18
NC181	365.44	0.34200	458.60	93.16
NC182	365.09	0.01750	458.46	93.37
NC183	364.86	0.03500	458.46	93.60
NC184	364.45	0.03500	458.46	94.01
NC185	364.03	0.03500	458.46	94.43
NC186	363.60	0.03500	458.46	94.86
NC187	363.19	0.03500	458.46	95.27
NC188	362.95	0.03500	458.46	95.51
NC189	362.96	0.03500	458.46	95.50
NC190	372.76	0.01750	459.96	87.20
NC191	372.38	0.03500	459.99	87.61
NC192	370.71	0.31200	459.80	89.09
NC193	364.52	0.34200	459.40	94.88
NC194	372.86	0.03500	460.12	87.26
NC195	373.17	0.03500	460.29	87.12
NC196	373.32	0.03500	460.41	87.09
NC197	373.38	0.03500	460.52	87.14
NC198	373.24	0.03500	460.64	87.40
NC199	373.03	0.03500	460.59	87.56
NC200	371.84	0.03500	460.16	88.32
NC201	372.57	0.03500	460.37	87.80
NC202	373.22	0.03500	460.58	87.36
NC203	373.77	0.03500	460.78	87.01
NC204	370.52	0.03500	459.93	89.41
NC205	371.56	0.03500	459.95	88.39
NC206	372.55	0.03500	459.97	87.42
NC207	373.27	0.03500	459.99	86.72
NC208	369.71	0.03500	459.88	90.17
NC209	370.43	0.03500	459.88	89.45
NC210	371.27	0.03500	459.89	88.62
NC211	372.16	0.03500	459.90	87.74
NC212	372.87	0.03500	459.91	87.04
NC213	373.26	0.01750	459.92	86.66
NC214	368.79	0.03500	459.55	90.76
NC215	369.58	0.03500	459.57	89.99
NC216	370.41	0.03500	459.58	89.17
NC217	371.22	0.03500	459.60	88.38
NC218	371.95	0.03500	459.62	87.67
NC219	372.42	0.01750	459.64	87.22
NC220	368.22	0.03500	459.52	91.30

NC221	368.88	0.03500	459.53	90.65
NC222	369.55	0.03500	459.54	89.99
NC223	370.25	0.03500	459.56	89.31
NC224	370.96	0.03500	459.57	88.61
NC225	371.63	0.03500	459.58	87.95
NC226	372.16	0.03500	459.59	87.43
NC227	372.52	0.03500	459.61	87.09
NC228	366.31	0.01750	459.89	93.58
NC229	366.81	0.03500	459.97	93.16
NC230	367.41	0.03500	460.05	92.64
NC231	368.03	0.03500	460.14	92.11
NC232	368.64	0.03500	460.23	91.59
NC233	369.25	0.03500	460.31	91.06
NC234	369.86	0.03500	460.40	90.54
NC235	370.47	0.03500	460.49	90.02
NC236	371.08	0.03500	460.58	89.50
NC237	366.11	0.03500	459.90	93.79
NC238	366.53	0.03500	459.99	93.46
NC239	367.07	0.03500	460.08	93.01
NC240	367.61	0.03500	460.17	92.56
NC241	368.14	0.03500	460.26	92.12
NC242	368.68	0.03500	460.35	91.67
NC243	369.22	0.03500	460.44	91.22
NC244	369.75	0.03500	460.54	90.79
NC245	370.30	0.03500	460.63	90.33
NC246	370.83	0.03500	460.73	89.90
NC247	371.28	0.03500	460.83	89.55
NC248	371.56	0.03500	460.92	89.36
NC249	365.25	0.03500	459.68	94.43
NC250	365.57	0.03500	459.75	94.18
NC251	365.80	0.03500	459.82	94.02
NC252	366.04	0.03500	459.90	93.86
NC253	366.49	0.03500	459.97	93.48
NC254	366.49	0.03500	460.04	93.55
NC255	366.72	0.03500	460.12	93.40
NC256	366.95	0.03500	460.19	93.24
NC257	367.17	0.03500	460.27	93.10
NC258	367.41	0.03500	460.35	92.94
NC259	367.80	0.03500	460.43	92.63
NC260	368.43	0.03500	460.51	92.08
NC261	369.82	0.03500	460.63	90.81
NC262	373.66	0.03500	460.92	87.26
NC263	371.40	0.51000	459.43	88.03
NT2	372.45	---	458.95	86.50
NT3	372.01	---	457.97	85.96
NT4	371.07	---	457.65	86.58

NT5	368.26	---	456.55	88.29
NT6	367.91	---	456.36	88.45
NT9	369.42	---	459.09	89.67
NT10	369.45	---	459.01	89.56
NT12	367.77	---	457.98	90.21
NT13	367.69	---	457.71	90.02
NT14	367.05	---	457.55	90.50
NT15	364.66	---	456.83	92.17
NT16	364.63	---	456.73	92.10
NT17	362.43	---	456.22	93.79
NT18	369.57	---	459.05	89.48
NT19	369.11	---	458.94	89.83
NT21	366.90	---	458.06	91.16
NT22	366.90	---	457.80	90.90
NT23	366.94	---	457.63	90.69
NT24	363.87	---	457.03	93.16
NT25	363.65	---	456.98	93.33
NT26	361.91	---	456.75	94.84
NT27	374.14	---	458.96	84.82
NT28	369.37	---	458.23	88.86
NT29	368.89	---	457.96	89.07
NT30	364.10	---	457.44	93.34
NT31	363.75	---	457.32	93.57
NT32	360.83	---	456.92	96.09
NT33	374.61	---	458.94	84.33
NT34	369.37	---	458.34	88.97
NT35	369.06	---	457.97	88.91
NT36	364.28	---	457.62	93.34
NT37	363.93	---	457.35	93.42
NT38	360.93	---	456.94	96.01
NT39	374.71	---	459.01	84.30
NT40	369.07	---	458.37	89.30
NT41	368.68	---	458.32	89.64
NT42	364.81	---	458.02	93.21
NT43	364.55	---	457.82	93.27
NT44	361.80	---	457.50	95.70
NT45	374.29	---	459.13	84.84
NT47	368.48	---	458.41	89.93
NT48	365.04	---	458.39	93.35
NT49	364.69	---	457.89	93.20
NT50	362.04	---	457.74	95.70
NT51	372.52	---	459.33	86.81
NT52	368.73	---	459.51	90.78
NT53	368.27	---	458.92	90.65
NT54	365.56	---	458.88	93.32
NT55	365.31	---	458.46	93.15

NT56	363.10	---	458.46	95.36
NT57	371.55	---	459.42	87.87
NT58	371.47	---	459.44	87.97
NT59	372.97	---	459.87	86.90
NT60	371.59	---	460.02	88.43
NT61	371.24	---	459.98	88.74
NT62	369.53	---	459.91	90.38
NT63	369.37	---	459.87	90.50
NT64	367.72	---	459.53	91.81
NT65	367.34	---	459.51	92.17
NT66	366.13	---	459.83	93.70
NT67	365.80	---	459.83	94.03
NT68	364.78	---	459.59	94.81
NT69	373.66	---	460.96	87.30
NT70	373.77	---	460.80	87.03
NT71	373.51	---	460.01	86.50
NT72	373.49	---	459.92	86.43
NT73	372.87	---	459.65	86.78
NT74	372.68	---	459.62	86.94
NT75	371.82	---	460.71	88.89
NT76	371.53	---	460.96	89.43
NT80	371.67	---	461.09	89.42
NT81	373.72	---	461.52	87.80
NT97	374.35	---	459.04	84.69
SG1	374.00	-73.67379	464.00	90.00
SG2	371.68	-32.26961	461.68	90.00
SG3	372.50	-37.02967	462.50	90.00
SG4	371.00	-34.97489	461.00	90.00

Combinación: H8+H13

Nudo	Cota m	Caudal dem. l/s	Alt. piez. m.c.a.	Pre. disp. m.c.a.	Coment.
BR39	364.92	0.00000	458.29	93.37	
BR48	366.95	0.00000	458.80	91.85	
BR52	364.07	0.00000	458.30	94.23	
BR64	365.00	2.50000	458.56	93.56	
BR65	366.77	0.00000	458.64	91.87	
BR88	365.71	0.00000	458.86	93.15	
BR89	367.02	0.00000	458.93	91.91	
BR92	370.26	0.00000	459.17	88.91	
BR93	371.68	0.00000	459.27	87.59	
BR99	372.39	0.00000	459.77	87.38	
BR107	365.38	0.00000	458.96	93.58	
BR115	369.55	0.00000	459.91	90.36	
H1	372.62	0.00000	459.34	86.72	

H2	368.64	0.00000	458.14	89.50		NC34	368.68	0.66500	458.62	89.94	
H3	364.62	0.00000	457.96	93.34		NC35	368.20	0.66500	458.62	90.42	
H4	369.25	0.00000	459.51	90.26		NC36	367.63	0.66500	458.64	91.01	
H5	372.86	0.00000	459.43	86.57		NC37	367.41	0.66500	458.56	91.15	
H6	368.22	0.00000	458.74	90.52		NC38	365.81	0.66500	458.40	92.59	
H7	363.62	0.00000	458.32	94.70		NC39	365.45	0.66500	458.37	92.92	
H8	361.47	16.60000	457.94	96.47		NC40	364.38	0.66500	458.22	93.84	
H9	371.64	0.00000	459.79	88.15		NC41	367.94	0.66500	458.13	90.19	
H10	369.83	0.00000	460.13	90.30		NC42	366.13	0.66500	458.14	92.01	
H11	367.02	0.00000	459.72	92.70		NC43	365.82	0.66500	458.14	92.32	
H12	373.31	0.00000	461.00	87.69		NC44	364.83	0.66500	458.18	93.35	
H13	365.67	16.60000	458.22	92.55		NC45	367.31	0.82250	458.09	90.78	
H14	372.42	0.00000	460.74	88.32		NC46	365.83	0.82250	458.10	92.27	
NC1	372.76	0.28000	459.23	86.47		NC47	365.61	0.82250	458.10	92.49	
NC2	372.81	0.28000	459.17	86.36		NC48	364.62	0.82250	458.15	93.53	
NC3	372.67	0.28000	458.98	86.31		NC49	364.50	0.82250	458.14	93.64	
NC4	372.40	0.28000	458.89	86.49		NC50	363.04	0.82250	458.06	95.02	
NC5	370.61	0.66500	458.51	87.90		NC51	362.80	0.82250	458.05	95.25	
NC6	370.12	0.66500	458.41	88.29		NC52	362.24	0.82250	458.04	95.80	
NC7	369.56	0.66500	458.27	88.71		NC53	368.81	0.57750	459.38	90.57	
NC8	369.10	0.66500	458.19	89.09		NC54	367.69	0.57750	459.18	91.49	
NC9	367.53	0.82250	458.06	90.53		NC55	367.63	0.57750	459.16	91.53	
NC10	365.75	0.82250	457.98	92.23		NC56	367.66	0.57750	459.04	91.38	
NC11	365.44	0.82250	457.97	92.53		NC57	366.80	0.57750	458.84	92.04	
NC12	364.46	0.82250	457.96	93.50		NC58	365.84	0.42000	458.49	92.65	
NC13	364.41	0.82250	457.96	93.55		NC59	364.23	0.42000	458.33	94.10	
NC14	363.64	0.82250	457.96	94.32		NC60	363.94	0.42000	458.28	94.34	
NC15	363.47	0.82250	457.96	94.49		NC61	363.25	0.73500	458.19	94.94	
NC16	362.60	0.82250	458.01	95.41		NC62	369.84	10.00000	459.50	89.66	
NC17	370.49	7.00000	460.65	90.16		NC63	372.47	10.00000	459.49	87.02	
NC18	369.40	7.00000	460.01	90.61		NC64	374.12	10.00000	459.49	85.37	
NC19	371.64	7.00000	459.51	87.87		NC65	374.94	7.00000	459.53	84.59	Pres. min.
NC20	369.92	7.00000	459.54	89.62		NC66	372.11	7.00000	459.66	87.55	
NC21	371.44	0.28000	459.46	88.02		NC67	371.49	0.15000	459.70	88.21	
NC22	370.40	0.28000	459.47	89.07		NC68	369.53	0.57750	459.43	89.90	
NC23	370.25	0.28000	459.47	89.22		NC69	371.51	0.57750	459.42	87.91	
NC24	369.25	0.28000	459.50	90.25		NC70	371.87	0.57750	459.43	87.56	
NC25	369.39	0.28000	459.46	90.07		NC71	373.84	0.57750	459.44	85.60	
NC26	367.78	0.28000	459.15	91.37		NC72	366.55	0.57750	458.85	92.30	
NC27	367.68	0.28000	459.10	91.42		NC73	366.68	0.57750	458.86	92.18	
NC28	367.61	0.28000	458.93	91.32		NC74	368.91	0.57750	458.93	90.02	
NC29	371.65	0.28000	458.81	87.16		NC75	366.60	0.42000	458.69	92.09	
NC30	369.33	0.28000	458.81	89.48		NC76	366.49	0.42000	458.70	92.21	
NC31	368.80	0.28000	458.81	90.01		NC77	367.84	0.42000	458.74	90.90	
NC32	367.62	0.28000	458.82	91.20		NC78	368.65	0.42000	458.76	90.11	
NC33	370.42	0.66500	458.62	88.20		NC79	363.44	0.42000	458.28	94.84	

NC80	363.39	0.42000	458.36	94.97	Pres. máx.	NC126	366.86	0.03500	458.92	92.06	
NC81	363.78	0.42000	458.40	94.62		NC127	366.19	0.03500	458.88	92.69	
NC82	363.33	0.73500	458.29	94.96		NC128	365.57	0.03500	458.85	93.28	
NC83	373.71	0.57750	459.34	85.63		NC129	365.15	0.03500	458.82	93.67	
NC84	371.54	0.57750	459.12	87.58		NC130	364.36	0.03500	458.54	94.18	
NC85	370.98	0.57750	459.08	88.10		NC131	363.90	0.03500	458.50	94.60	
NC86	369.51	0.57750	458.97	89.46		NC132	363.34	0.03500	458.47	95.13	
NC87	367.98	0.42000	458.66	90.68		NC133	362.78	0.03500	458.43	95.65	
NC88	366.92	0.42000	458.60	91.68		NC134	362.22	0.03500	458.40	96.18	
NC89	365.58	0.42000	458.53	92.95		NC135	361.81	0.03500	458.36	96.55	
NC90	364.80	0.42000	458.49	93.69		NC136	361.66	0.03500	458.33	96.67	
NC91	363.14	0.73500	458.30	95.16		NC137	361.73	0.01750	458.30	96.57	
NC92	374.21	0.01750	459.42	85.21		NC138	374.31	0.03500	459.62	85.31	
NC93	373.97	0.03500	459.38	85.41		NC139	373.90	0.03500	459.65	85.75	
NC94	373.42	0.03500	459.33	85.91		NC140	373.30	0.03500	459.67	86.37	
NC95	372.65	0.03500	459.28	86.63		NC141	372.59	0.03500	459.70	87.11	
NC96	371.84	0.03500	459.22	87.38		NC142	371.90	0.03500	459.73	87.83	
NC97	371.03	0.03500	459.17	88.14		NC143	371.20	0.03500	459.75	88.55	
NC98	370.24	0.03500	459.12	88.88		NC144	370.48	0.03500	459.78	89.30	
NC99	369.67	0.03500	459.08	89.41		NC145	369.79	0.03500	459.81	90.02	
NC100	368.62	0.01750	458.75	90.13		NC146	369.27	0.03500	459.84	90.57	
NC101	368.27	0.03500	458.72	90.45		NC147	368.30	0.01750	459.12	90.82	
NC102	367.51	0.03500	458.68	91.17		NC148	367.96	0.03500	459.11	91.15	
NC103	366.64	0.03500	458.64	92.00		NC149	367.36	0.03500	459.11	91.75	
NC104	365.74	0.03500	458.59	92.85		NC150	366.70	0.03500	459.11	92.41	
NC105	364.88	0.03500	458.56	93.68		NC151	366.03	0.03500	459.11	93.08	
NC106	364.27	0.03500	458.55	94.28		NC152	365.39	0.03500	459.11	93.72	
NC107	363.43	0.03500	458.34	94.91		NC153	364.97	0.03500	459.10	94.13	
NC108	362.99	0.03500	458.30	95.31		NC154	364.29	0.01750	458.58	94.29	
NC109	362.48	0.03500	458.27	95.79		NC155	363.98	0.03500	458.56	94.58	
NC110	361.95	0.03500	458.24	96.29		NC156	363.46	0.03500	458.54	95.08	
NC111	361.44	0.03500	458.21	96.77		NC157	362.89	0.03500	458.51	95.62	
NC112	361.41	0.03500	458.18	96.77		NC158	362.33	0.03500	458.49	96.16	
NC113	361.17	0.03500	458.15	96.98		NC159	361.81	0.03500	458.46	96.65	
NC114	361.16	0.01750	458.12	96.96		NC160	361.53	0.03500	458.44	96.91	
NC115	374.07	0.03500	459.44	85.37		NC161	361.49	0.03500	458.42	96.93	
NC116	373.47	0.03500	459.39	85.92		NC162	371.80	0.01750	459.78	87.98	
NC117	372.76	0.03500	459.34	86.58		NC163	371.53	0.03500	459.80	88.27	
NC118	372.06	0.03500	459.29	87.23		NC164	371.21	0.03500	459.81	88.60	
NC119	371.35	0.03500	459.25	87.90		NC165	370.89	0.03500	459.83	88.94	
NC120	370.64	0.03500	459.20	88.56		NC166	370.57	0.03500	459.85	89.28	
NC121	369.95	0.03500	459.15	89.20		NC167	370.26	0.03500	459.86	89.60	
NC122	369.45	0.03500	459.10	89.65		NC168	369.93	0.03500	459.88	89.95	
NC123	368.44	0.01750	459.01	90.57		NC169	369.61	0.03500	459.90	90.29	
NC124	368.13	0.03500	458.99	90.86		NC170	369.29	0.03500	459.92	90.63	
NC125	367.52	0.03500	458.95	91.43		NC171	368.99	0.03500	459.94	90.95	

NC172	369.01	0.51000	460.03	91.02
NC173	368.03	0.01750	459.55	91.52
NC174	367.80	0.03500	459.55	91.75
NC175	367.39	0.03500	459.54	92.15
NC176	366.97	0.03500	459.54	92.57
NC177	366.55	0.03500	459.53	92.98
NC178	366.13	0.03500	459.53	93.40
NC179	365.79	0.03500	459.52	93.73
NC180	365.78	0.31200	459.59	93.81
NC181	365.44	0.34200	459.02	93.58
NC182	365.09	0.01750	458.86	93.77
NC183	364.86	0.03500	458.84	93.98
NC184	364.45	0.03500	458.81	94.36
NC185	364.03	0.03500	458.78	94.75
NC186	363.60	0.03500	458.75	95.15
NC187	363.19	0.03500	458.73	95.54
NC188	362.95	0.03500	458.70	95.75
NC189	362.96	0.03500	458.67	95.71
NC190	372.76	0.01750	460.39	87.63
NC191	372.38	0.03500	460.43	88.05
NC192	370.71	0.31200	460.31	89.60
NC193	364.52	0.34200	458.74	94.22
NC194	372.86	0.03500	460.49	87.63
NC195	373.17	0.03500	460.64	87.47
NC196	373.32	0.03500	460.74	87.42
NC197	373.38	0.03500	460.84	87.46
NC198	373.24	0.03500	460.95	87.71
NC199	373.03	0.03500	460.93	87.90
NC200	371.84	0.03500	460.61	88.77
NC201	372.57	0.03500	460.79	88.22
NC202	373.22	0.03500	460.97	87.75
NC203	373.77	0.03500	461.14	87.37
NC204	370.52	0.03500	460.49	89.97
NC205	371.56	0.03500	460.52	88.96
NC206	372.55	0.03500	460.55	88.00
NC207	373.27	0.03500	460.58	87.31
NC208	369.71	0.03500	460.44	90.73
NC209	370.43	0.03500	460.46	90.03
NC210	371.27	0.03500	460.48	89.21
NC211	372.16	0.03500	460.50	88.34
NC212	372.87	0.03500	460.53	87.66
NC213	373.26	0.01750	460.54	87.28
NC214	368.79	0.03500	460.16	91.37
NC215	369.58	0.03500	460.22	90.64
NC216	370.41	0.03500	460.28	89.87
NC217	371.22	0.03500	460.34	89.12

NC218	371.95	0.03500	460.41	88.46
NC219	372.42	0.01750	460.47	88.05
NC220	368.22	0.03500	460.00	91.78
NC221	368.88	0.03500	460.07	91.19
NC222	369.55	0.03500	460.13	90.58
NC223	370.25	0.03500	460.20	89.95
NC224	370.96	0.03500	460.27	89.31
NC225	371.63	0.03500	460.34	88.71
NC226	372.16	0.03500	460.41	88.25
NC227	372.52	0.03500	460.48	87.96
NC228	366.31	0.01750	460.03	93.72
NC229	366.81	0.03500	460.13	93.32
NC230	367.41	0.03500	460.23	92.82
NC231	368.03	0.03500	460.33	92.30
NC232	368.64	0.03500	460.44	91.80
NC233	369.25	0.03500	460.55	91.30
NC234	369.86	0.03500	460.65	90.79
NC235	370.47	0.03500	460.76	90.29
NC236	371.08	0.03500	460.87	89.79
NC237	366.11	0.03500	459.96	93.85
NC238	366.53	0.03500	460.05	93.52
NC239	367.07	0.03500	460.14	93.07
NC240	367.61	0.03500	460.23	92.62
NC241	368.14	0.03500	460.32	92.18
NC242	368.68	0.03500	460.41	91.73
NC243	369.22	0.03500	460.50	91.28
NC244	369.75	0.03500	460.60	90.85
NC245	370.30	0.03500	460.69	90.39
NC246	370.83	0.03500	460.79	89.96
NC247	371.28	0.03500	460.89	89.61
NC248	371.56	0.03500	460.98	89.42
NC249	365.25	0.03500	458.50	93.25
NC250	365.57	0.03500	458.30	92.73
NC251	365.80	0.03500	458.32	92.52
NC252	366.04	0.03500	458.50	92.46
NC253	366.49	0.03500	458.68	92.19
NC254	366.49	0.03500	458.86	92.37
NC255	366.72	0.03500	459.04	92.32
NC256	366.95	0.03500	459.22	92.27
NC257	367.17	0.03500	459.40	92.23
NC258	367.41	0.03500	459.58	92.17
NC259	367.80	0.03500	459.77	91.97
NC260	368.43	0.03500	459.96	91.53
NC261	369.82	0.03500	460.24	90.42
NC262	373.66	0.03500	461.20	87.54
NC263	371.40	0.51000	459.82	88.42

NT2	372.45	---	459.45	87.00
NT3	372.01	---	458.82	86.81
NT4	371.07	---	458.62	87.55
NT5	368.26	---	458.13	89.87
NT6	367.91	---	458.09	90.18
NT9	369.42	---	459.56	90.14
NT10	369.45	---	459.50	90.05
NT12	367.77	---	458.82	91.05
NT13	367.69	---	458.65	90.96
NT14	367.05	---	458.55	91.50
NT15	364.66	---	458.20	93.54
NT16	364.63	---	458.16	93.53
NT17	362.43	---	458.04	95.61
NT18	369.57	---	459.52	89.95
NT19	369.11	---	459.43	90.32
NT21	366.90	---	458.84	91.94
NT22	366.90	---	458.69	91.79
NT23	366.94	---	458.60	91.66
NT24	363.87	---	458.27	94.40
NT25	363.65	---	458.24	94.59
NT26	361.91	---	458.11	96.20
NT27	374.14	---	459.44	85.30
NT28	369.37	---	458.95	89.58
NT29	368.89	---	458.78	89.89
NT30	364.10	---	458.44	94.34
NT31	363.75	---	458.36	94.61
NT32	360.83	---	458.11	97.28
NT33	374.61	---	459.43	84.82
NT34	369.37	---	459.04	89.67
NT35	369.06	---	458.79	89.73
NT36	364.28	---	458.55	94.27
NT37	363.93	---	458.37	94.44
NT38	360.93	---	458.10	97.17
NT39	374.71	---	459.51	84.80
NT40	369.07	---	459.07	90.00
NT41	368.68	---	459.04	90.36
NT42	364.81	---	458.79	93.98
NT43	364.55	---	458.57	94.02
NT44	361.80	---	458.27	96.47
NT45	374.29	---	459.61	85.32
NT47	368.48	---	459.12	90.64
NT48	365.04	---	459.10	94.06
NT49	364.69	---	458.59	93.90
NT50	362.04	---	458.40	96.36
NT51	372.52	---	459.77	87.25
NT52	368.73	---	459.96	91.23

NT53	368.27	---	459.55	91.28
NT54	365.56	---	459.52	93.96
NT55	365.31	---	458.88	93.57
NT56	363.10	---	458.66	95.56
NT57	371.55	---	459.80	88.25
NT58	371.47	---	459.82	88.35
NT59	372.97	---	460.26	87.29
NT60	371.59	---	460.47	88.88
NT61	371.24	---	460.46	89.22
NT62	369.53	---	460.45	90.92
NT63	369.37	---	460.42	91.05
NT64	367.72	---	460.08	92.36
NT65	367.34	---	459.94	92.60
NT66	366.13	---	459.94	93.81
NT67	365.80	---	459.89	94.09
NT68	364.78	---	458.77	93.99
NT69	373.66	---	461.24	87.58
NT70	373.77	---	461.15	87.38
NT71	373.51	---	460.60	87.09
NT72	373.49	---	460.56	87.07
NT73	372.87	---	460.51	87.64
NT74	372.68	---	460.52	87.84
NT75	371.82	---	461.04	89.22
NT76	371.53	---	461.03	89.50
NT80	371.67	---	461.22	89.55
NT81	373.72	---	461.71	87.99
NT97	374.35	---	459.49	85.14
SG1	374.00	-70.00925	464.00	90.00
SG2	371.68	-28.26524	461.68	90.00
SG3	372.50	-32.97424	462.50	90.00
SG4	371.00	-30.09925	461.00	90.00

Combinación: H13+14

Nudo	Cota m	Caudal dem. l/s	Alt. piez. m.c.a.	Pre. disp. m.c.a.	Coment.
BR39	364.92	0.00000	458.93	94.01	
BR48	366.95	0.00000	459.25	92.30	
BR52	364.07	0.00000	458.99	94.92	
BR64	365.00	2.50000	459.17	94.17	
BR65	366.77	0.00000	459.21	92.44	
BR88	365.71	0.00000	459.36	93.65	
BR89	367.02	0.00000	459.40	92.38	
BR92	370.26	0.00000	459.53	89.27	
BR93	371.68	0.00000	459.59	87.91	
BR99	372.39	0.00000	459.95	87.56	

BR107	365.38	0.00000	459.42	94.04		NC31	368.80	0.28000	459.24	90.44	
BR115	369.55	0.00000	460.05	90.50		NC32	367.62	0.28000	459.24	91.62	
H1	372.62	0.00000	459.63	87.01		NC33	370.42	0.66500	459.10	88.68	
H2	368.64	0.00000	458.81	90.17		NC34	368.68	0.66500	459.11	90.43	
H3	364.62	0.00000	458.69	94.07		NC35	368.20	0.66500	459.11	90.91	
H4	369.25	0.00000	459.75	90.50		NC36	367.63	0.66500	459.13	91.50	
H5	372.86	0.00000	459.68	86.82		NC37	367.41	0.66500	459.09	91.68	
H6	368.22	0.00000	459.24	91.02		NC38	365.81	0.66500	458.99	93.18	
H7	363.62	0.00000	459.06	95.44		NC39	365.45	0.66500	458.97	93.52	
H8	361.47	0.00000	459.18	97.71		NC40	364.38	0.66500	458.90	94.52	
H9	371.64	0.00000	459.96	88.32		NC41	367.94	0.66500	458.80	90.86	
H10	369.83	0.00000	460.20	90.37		NC42	366.13	0.66500	458.81	92.68	
H11	367.02	0.00000	459.78	92.76		NC43	365.82	0.66500	458.82	93.00	
H12	373.31	0.00000	461.02	87.71		NC44	364.83	0.66500	458.87	94.04	
H13	365.67	16.60000	458.58	92.91		NC45	367.31	0.82250	458.78	91.47	
H14	372.42	16.60000	459.90	87.48		NC46	365.83	0.82250	458.79	92.96	
NC1	372.76	0.28000	459.55	86.79		NC47	365.61	0.82250	458.79	93.18	
NC2	372.81	0.28000	459.50	86.69		NC48	364.62	0.82250	458.85	94.23	
NC3	372.67	0.28000	459.36	86.69		NC49	364.50	0.82250	458.86	94.36	
NC4	372.40	0.28000	459.30	86.90		NC50	363.04	0.82250	458.82	95.78	
NC5	370.61	0.66500	459.03	88.42		NC51	362.80	0.82250	458.82	96.02	
NC6	370.12	0.66500	458.96	88.84		NC52	362.24	0.82250	458.82	96.58	
NC7	369.56	0.66500	458.88	89.32		NC53	368.81	0.57750	459.65	90.84	
NC8	369.10	0.66500	458.83	89.73		NC54	367.69	0.57750	459.51	91.82	
NC9	367.53	0.82250	458.76	91.23		NC55	367.63	0.57750	459.49	91.86	
NC10	365.75	0.82250	458.70	92.95		NC56	367.66	0.57750	459.41	91.75	
NC11	365.44	0.82250	458.70	93.26		NC57	366.80	0.57750	459.28	92.48	
NC12	364.46	0.82250	458.69	94.23		NC58	365.84	0.42000	459.07	93.23	
NC13	364.41	0.82250	458.69	94.28		NC59	364.23	0.42000	459.00	94.77	
NC14	363.64	0.82250	458.71	95.07		NC60	363.94	0.42000	458.97	95.03	
NC15	363.47	0.82250	458.71	95.24		NC61	363.25	0.73500	458.96	95.71	
NC16	362.60	0.82250	458.78	96.18		NC62	369.84	10.00000	459.73	89.89	
NC17	370.49	7.00000	460.82	90.33		NC63	372.47	10.00000	459.72	87.25	
NC18	369.40	7.00000	460.22	90.82		NC64	374.12	10.00000	459.72	85.60	
NC19	371.64	7.00000	459.75	88.11		NC65	374.94	7.00000	459.75	84.81	Pres. min.
NC20	369.92	7.00000	459.78	89.86		NC66	372.11	7.00000	459.85	87.74	
NC21	371.44	0.28000	459.71	88.27		NC67	371.49	0.15000	459.89	88.40	
NC22	370.40	0.28000	459.72	89.32		NC68	369.53	0.57750	459.68	90.15	
NC23	370.25	0.28000	459.72	89.47		NC69	371.51	0.57750	459.68	88.17	
NC24	369.25	0.28000	459.75	90.50		NC70	371.87	0.57750	459.68	87.81	
NC25	369.39	0.28000	459.72	90.33		NC71	373.84	0.57750	459.69	85.85	
NC26	367.78	0.28000	459.49	91.71		NC72	366.55	0.57750	459.29	92.74	
NC27	367.68	0.28000	459.45	91.77		NC73	366.68	0.57750	459.30	92.62	
NC28	367.61	0.28000	459.33	91.72		NC74	368.91	0.57750	459.35	90.44	
NC29	371.65	0.28000	459.24	87.59		NC75	366.60	0.42000	459.19	92.59	
NC30	369.33	0.28000	459.24	89.91		NC76	366.49	0.42000	459.20	92.71	

NC77	367.84	0.42000	459.23	91.39		NC123	368.44	0.01750	459.44	91.00	
NC78	368.65	0.42000	459.26	90.61		NC124	368.13	0.03500	459.42	91.29	
NC79	363.44	0.42000	458.98	95.54		NC125	367.52	0.03500	459.41	91.89	
NC80	363.39	0.42000	459.05	95.66		NC126	366.86	0.03500	459.39	92.53	
NC81	363.78	0.42000	459.09	95.31		NC127	366.19	0.03500	459.38	93.19	
NC82	363.33	0.73500	459.02	95.69		NC128	365.57	0.03500	459.36	93.79	
NC83	373.71	0.57750	459.62	85.91		NC129	365.15	0.03500	459.35	94.20	
NC84	371.54	0.57750	459.47	87.93		NC130	364.36	0.03500	459.25	94.89	
NC85	370.98	0.57750	459.45	88.47		NC131	363.90	0.03500	459.25	95.35	
NC86	369.51	0.57750	459.38	89.87		NC132	363.34	0.03500	459.24	95.90	
NC87	367.98	0.42000	459.21	91.23		NC133	362.78	0.03500	459.24	96.46	
NC88	366.92	0.42000	459.18	92.26		NC134	362.22	0.03500	459.23	97.01	
NC89	365.58	0.42000	459.15	93.57		NC135	361.81	0.03500	459.22	97.41	
NC90	364.80	0.42000	459.13	94.33		NC136	361.66	0.03500	459.22	97.56	
NC91	363.14	0.73500	459.09	95.95		NC137	361.73	0.01750	459.22	97.49	
NC92	374.21	0.01750	459.68	85.47		NC138	374.31	0.03500	459.84	85.53	
NC93	373.97	0.03500	459.65	85.68		NC139	373.90	0.03500	459.86	85.96	
NC94	373.42	0.03500	459.62	86.20		NC140	373.30	0.03500	459.87	86.57	
NC95	372.65	0.03500	459.58	86.93		NC141	372.59	0.03500	459.89	87.30	
NC96	371.84	0.03500	459.55	87.71		NC142	371.90	0.03500	459.91	88.01	
NC97	371.03	0.03500	459.52	88.49		NC143	371.20	0.03500	459.93	88.73	
NC98	370.24	0.03500	459.49	89.25	Pres. máx.	NC144	370.48	0.03500	459.95	89.47	
NC99	369.67	0.03500	459.46	89.79		NC145	369.79	0.03500	459.97	90.18	
NC100	368.62	0.01750	459.26	90.64		NC146	369.27	0.03500	460.00	90.73	
NC101	368.27	0.03500	459.25	90.98		NC147	368.30	0.01750	459.50	91.20	
NC102	367.51	0.03500	459.23	91.72		NC148	367.96	0.03500	459.50	91.54	
NC103	366.64	0.03500	459.20	92.56		NC149	367.36	0.03500	459.50	92.14	
NC104	365.74	0.03500	459.18	93.44		NC150	366.70	0.03500	459.50	92.80	
NC105	364.88	0.03500	459.17	94.29		NC151	366.03	0.03500	459.50	93.47	
NC106	364.27	0.03500	459.17	94.90		NC152	365.39	0.03500	459.50	94.11	
NC107	363.43	0.03500	459.12	95.69		NC153	364.97	0.03500	459.50	94.53	
NC108	362.99	0.03500	459.12	96.13		NC154	364.29	0.01750	459.27	94.98	
NC109	362.48	0.03500	459.12	96.64		NC155	363.98	0.03500	459.26	95.28	
NC110	361.95	0.03500	459.11	97.16		NC156	363.46	0.03500	459.26	95.80	
NC111	361.44	0.03500	459.11	97.67		NC157	362.89	0.03500	459.25	96.36	
NC112	361.41	0.03500	459.11	97.70		NC158	362.33	0.03500	459.24	96.91	
NC113	361.17	0.03500	459.11	97.94		NC159	361.81	0.03500	459.24	97.43	
NC114	361.16	0.01750	459.11	97.95		NC160	361.53	0.03500	459.23	97.70	
NC115	374.07	0.03500	459.71	85.64		NC161	361.49	0.03500	459.23	97.74	
NC116	373.47	0.03500	459.68	86.21		NC162	371.80	0.01750	459.96	88.16	
NC117	372.76	0.03500	459.64	86.88		NC163	371.53	0.03500	459.97	88.44	
NC118	372.06	0.03500	459.61	87.55		NC164	371.21	0.03500	459.98	88.77	
NC119	371.35	0.03500	459.58	88.23		NC165	370.89	0.03500	459.99	89.10	
NC120	370.64	0.03500	459.55	88.91		NC166	370.57	0.03500	460.00	89.43	
NC121	369.95	0.03500	459.52	89.57		NC167	370.26	0.03500	460.02	89.76	
NC122	369.45	0.03500	459.49	90.04		NC168	369.93	0.03500	460.03	90.10	

NC169	369.61	0.03500	460.05	90.44
NC170	369.29	0.03500	460.06	90.77
NC171	368.99	0.03500	460.07	91.08
NC172	369.01	0.51000	460.14	91.13
NC173	368.03	0.01750	459.77	91.74
NC174	367.80	0.03500	459.76	91.96
NC175	367.39	0.03500	459.75	92.36
NC176	366.97	0.03500	459.75	92.78
NC177	366.55	0.03500	459.74	93.19
NC178	366.13	0.03500	459.73	93.60
NC179	365.79	0.03500	459.73	93.94
NC180	365.78	0.31200	459.75	93.97
NC181	365.44	0.34200	459.44	94.00
NC182	365.09	0.01750	459.37	94.28
NC183	364.86	0.03500	459.35	94.49
NC184	364.45	0.03500	459.34	94.89
NC185	364.03	0.03500	459.32	95.29
NC186	363.60	0.03500	459.30	95.70
NC187	363.19	0.03500	459.28	96.09
NC188	362.95	0.03500	459.27	96.32
NC189	362.96	0.03500	459.25	96.29
NC190	372.76	0.01750	460.43	87.67
NC191	372.38	0.03500	460.45	88.07
NC192	370.71	0.31200	460.33	89.62
NC193	364.52	0.34200	459.22	94.70
NC194	372.86	0.03500	460.55	87.69
NC195	373.17	0.03500	460.69	87.52
NC196	373.32	0.03500	460.79	87.47
NC197	373.38	0.03500	460.88	87.50
NC198	373.24	0.03500	460.97	87.73
NC199	373.03	0.03500	460.94	87.91
NC200	371.84	0.03500	460.58	88.74
NC201	372.57	0.03500	460.75	88.18
NC202	373.22	0.03500	460.92	87.70
NC203	373.77	0.03500	461.08	87.31
NC204	370.52	0.03500	460.34	89.82
NC205	371.56	0.03500	460.36	88.80
NC206	372.55	0.03500	460.37	87.82
NC207	373.27	0.03500	460.38	87.11
NC208	369.71	0.03500	460.29	90.58
NC209	370.43	0.03500	460.29	89.86
NC210	371.27	0.03500	460.29	89.02
NC211	372.16	0.03500	460.30	88.14
NC212	372.87	0.03500	460.30	87.43
NC213	373.26	0.01750	460.31	87.05
NC214	368.79	0.03500	459.97	91.18

NC215	369.58	0.03500	459.97	90.39
NC216	370.41	0.03500	459.98	89.57
NC217	371.22	0.03500	459.99	88.77
NC218	371.95	0.03500	459.99	88.04
NC219	372.42	0.01750	460.00	87.58
NC220	368.22	0.03500	459.89	91.67
NC221	368.88	0.03500	459.89	91.01
NC222	369.55	0.03500	459.90	90.35
NC223	370.25	0.03500	459.91	89.66
NC224	370.96	0.03500	459.92	88.96
NC225	371.63	0.03500	459.92	88.29
NC226	372.16	0.03500	459.93	87.77
NC227	372.52	0.03500	459.94	87.42
NC228	366.31	0.01750	459.98	93.67
NC229	366.81	0.03500	460.06	93.25
NC230	367.41	0.03500	460.14	92.73
NC231	368.03	0.03500	460.22	92.19
NC232	368.64	0.03500	460.30	91.66
NC233	369.25	0.03500	460.39	91.14
NC234	369.86	0.03500	460.47	90.61
NC235	370.47	0.03500	460.56	90.09
NC236	371.08	0.03500	460.64	89.56
NC237	366.11	0.03500	459.96	93.85
NC238	366.53	0.03500	460.04	93.51
NC239	367.07	0.03500	460.12	93.05
NC240	367.61	0.03500	460.20	92.59
NC241	368.14	0.03500	460.29	92.15
NC242	368.68	0.03500	460.37	91.69
NC243	369.22	0.03500	460.45	91.23
NC244	369.75	0.03500	460.54	90.79
NC245	370.30	0.03500	460.62	90.32
NC246	370.83	0.03500	460.71	89.88
NC247	371.28	0.03500	460.80	89.52
NC248	371.56	0.03500	460.88	89.32
NC249	365.25	0.03500	458.92	93.67
NC250	365.57	0.03500	458.68	93.11
NC251	365.80	0.03500	458.66	92.86
NC252	366.04	0.03500	458.81	92.77
NC253	366.49	0.03500	458.96	92.47
NC254	366.49	0.03500	459.11	92.62
NC255	366.72	0.03500	459.26	92.54
NC256	366.95	0.03500	459.41	92.46
NC257	367.17	0.03500	459.56	92.39
NC258	367.41	0.03500	459.71	92.30
NC259	367.80	0.03500	459.87	92.07
NC260	368.43	0.03500	460.03	91.60

NC261	369.82	0.03500	460.26	90.44
NC262	373.66	0.03500	461.20	87.54
NC263	371.40	0.51000	459.99	88.59
NT2	372.45	---	459.71	87.26
NT3	372.01	---	459.24	87.23
NT4	371.07	---	459.10	88.03
NT5	368.26	---	458.80	90.54
NT6	367.91	---	458.78	90.87
NT9	369.42	---	459.80	90.38
NT10	369.45	---	459.75	90.30
NT12	367.77	---	459.25	91.48
NT13	367.69	---	459.13	91.44
NT14	367.05	---	459.08	92.03
NT15	364.66	---	458.89	94.23
NT16	364.63	---	458.87	94.24
NT17	362.43	---	458.82	96.39
NT18	369.57	---	459.75	90.18
NT19	369.11	---	459.69	90.58
NT21	366.90	---	459.28	92.38
NT22	366.90	---	459.19	92.29
NT23	366.94	---	459.13	92.19
NT24	363.87	---	458.97	95.10
NT25	363.65	---	458.97	95.32
NT26	361.91	---	458.97	97.06
NT27	374.14	---	459.69	85.55
NT28	369.37	---	459.37	90.00
NT29	368.89	---	459.27	90.38
NT30	364.10	---	459.12	95.02
NT31	363.75	---	459.10	95.35
NT32	360.83	---	459.06	98.23
NT33	374.61	---	459.69	85.08
NT34	369.37	---	459.43	90.06
NT35	369.06	---	459.28	90.22
NT36	364.28	---	459.17	94.89
NT37	363.93	---	459.12	95.19
NT38	360.93	---	459.11	98.18
NT39	374.71	---	459.75	85.04
NT40	369.07	---	459.46	90.39
NT41	368.68	---	459.45	90.77
NT42	364.81	---	459.34	94.53
NT43	364.55	---	459.26	94.71
NT44	361.80	---	459.21	97.41
NT45	374.29	---	459.83	85.54
NT47	368.48	---	459.50	91.02
NT48	365.04	---	459.49	94.45
NT49	364.69	---	459.27	94.58

NT50	362.04	---	459.22	97.18
NT51	372.52	---	459.95	87.43
NT52	368.73	---	460.09	91.36
NT53	368.27	---	459.77	91.50
NT54	365.56	---	459.72	94.16
NT55	365.31	---	459.38	94.07
NT56	363.10	---	459.24	96.14
NT57	371.55	---	459.97	88.42
NT58	371.47	---	459.99	88.52
NT59	372.97	---	460.35	87.38
NT60	371.59	---	460.48	88.89
NT61	371.24	---	460.44	89.20
NT62	369.53	---	460.33	90.80
NT63	369.37	---	460.28	90.91
NT64	367.72	---	459.96	92.24
NT65	367.34	---	459.88	92.54
NT66	366.13	---	459.92	93.79
NT67	365.80	---	459.90	94.10
NT68	364.78	---	459.22	94.44
NT69	373.66	---	461.24	87.58
NT70	373.77	---	461.09	87.32
NT71	373.51	---	460.39	86.88
NT72	373.49	---	460.31	86.82
NT73	372.87	---	460.00	87.13
NT74	372.68	---	459.94	87.26
NT75	371.82	---	460.77	88.95
NT76	371.53	---	460.92	89.39
NT80	371.67	---	461.08	89.41
NT81	373.72	---	461.69	87.97
NT97	374.35	---	459.72	85.37
SG1	374.00	-68.04651	464.00	90.00
SG2	371.68	-32.33044	461.68	90.00
SG3	372.50	-33.36964	462.50	90.00
SG4	371.00	-27.60139	461.00	90.00

Combinación: H2+H7

Nudo	Cota m	Caudal dem. l/s	Alt. piez. m.c.a.	Pre. disp. m.c.a.	Coment.
BR39	364.92	0.00000	457.08	92.16	
BR48	366.95	0.00000	458.17	91.22	
BR52	364.07	0.00000	457.18	93.11	
BR64	365.00	2.50000	457.94	92.94	
BR65	366.77	0.00000	458.06	91.29	
BR88	365.71	0.00000	458.55	92.84	
BR89	367.02	0.00000	458.60	91.58	

BR92	370.26	0.00000	458.82	88.56		NC28	367.61	0.28000	458.20	90.59	
BR93	371.68	0.00000	458.94	87.26		NC29	371.65	0.28000	458.00	86.35	
BR99	372.39	0.00000	459.54	87.15		NC30	369.33	0.28000	458.00	88.67	
BR107	365.38	0.00000	459.28	93.90		NC31	368.80	0.28000	458.00	89.20	
BR115	369.55	0.00000	459.73	90.18		NC32	367.62	0.28000	458.01	90.39	
H1	372.62	0.00000	458.89	86.27		NC33	370.42	0.66500	457.62	87.20	
H2	368.64	16.60000	456.09	87.45		NC34	368.68	0.66500	457.65	88.97	
H3	364.62	0.00000	456.29	91.67		NC35	368.20	0.66500	457.66	89.46	
H4	369.25	0.00000	459.19	89.94		NC36	367.63	0.66500	457.72	90.09	
H5	372.86	0.00000	459.10	86.24		NC37	367.41	0.66500	457.63	90.22	
H6	368.22	0.00000	458.14	89.92		NC38	365.81	0.66500	457.32	91.51	
H7	363.62	16.60000	456.99	93.37		NC39	365.45	0.66500	457.27	91.82	
H8	361.47	0.00000	458.21	96.74		NC40	364.38	0.66500	456.92	92.54	
H9	371.64	0.00000	459.56	87.92		NC41	367.94	0.66500	456.19	88.25	
H10	369.83	0.00000	460.08	90.25		NC42	366.13	0.66500	456.41	90.28	
H11	367.02	0.00000	460.04	93.02		NC43	365.82	0.66500	456.47	90.65	
H12	373.31	0.00000	460.96	87.65		NC44	364.83	0.66500	456.78	91.95	
H13	365.67	0.00000	460.36	94.69		NC45	367.31	0.82250	456.23	88.92	
H14	372.42	0.00000	460.91	88.49		NC46	365.83	0.82250	456.41	90.58	
NC1	372.76	0.28000	458.71	85.95		NC47	365.61	0.82250	456.45	90.84	
NC2	372.81	0.28000	458.61	85.80		NC48	364.62	0.82250	456.75	92.13	
NC3	372.67	0.28000	458.29	85.62		NC49	364.50	0.82250	456.81	92.31	
NC4	372.40	0.28000	458.13	85.73		NC50	363.04	0.82250	456.78	93.74	
NC5	370.61	0.66500	457.33	86.72		NC51	362.80	0.82250	456.78	93.98	
NC6	370.12	0.66500	457.03	86.91		NC52	362.24	0.82250	456.79	94.55	
NC7	369.56	0.66500	456.58	87.02		NC53	368.81	0.57750	459.02	90.21	
NC8	369.10	0.66500	456.27	87.17		NC54	367.69	0.57750	458.75	91.06	
NC9	367.53	0.82250	456.20	88.67		NC55	367.63	0.57750	458.72	91.09	
NC10	365.75	0.82250	456.20	90.45		NC56	367.66	0.57750	458.54	90.88	
NC11	365.44	0.82250	456.21	90.77		NC57	366.80	0.57750	458.25	91.45	
NC12	364.46	0.82250	456.27	91.81		NC58	365.84	0.42000	457.56	91.72	
NC13	364.41	0.82250	456.30	91.89		NC59	364.23	0.42000	457.24	93.01	
NC14	363.64	0.82250	456.41	92.77		NC60	363.94	0.42000	457.13	93.19	
NC15	363.47	0.82250	456.45	92.98		NC61	363.25	0.73500	457.04	93.79	
NC16	362.60	0.82250	456.66	94.06		NC62	369.84	10.00000	459.17	89.33	
NC17	370.49	7.00000	460.41	89.92		NC63	372.47	10.00000	459.17	86.70	
NC18	369.40	7.00000	459.72	90.32		NC64	374.12	10.00000	459.18	85.06	
NC19	371.64	7.00000	459.17	87.53		NC65	374.94	7.00000	459.23	84.29	Pres. min.
NC20	369.92	7.00000	459.20	89.28		NC66	372.11	7.00000	459.39	87.28	
NC21	371.44	0.28000	459.08	87.64		NC67	371.49	0.15000	459.44	87.95	
NC22	370.40	0.28000	459.09	88.69		NC68	369.53	0.57750	459.08	89.55	
NC23	370.25	0.28000	459.10	88.85		NC69	371.51	0.57750	459.08	87.57	
NC24	369.25	0.28000	459.13	89.88		NC70	371.87	0.57750	459.09	87.22	
NC25	369.39	0.28000	459.07	89.68		NC71	373.84	0.57750	459.11	85.27	
NC26	367.78	0.28000	458.56	90.78		NC72	366.55	0.57750	458.29	91.74	
NC27	367.68	0.28000	458.48	90.80		NC73	366.68	0.57750	458.31	91.63	

NC74	368.91	0.57750	458.44	89.53		NC120	370.64	0.03500	458.85	88.21	
NC75	366.60	0.42000	457.98	91.38		NC121	369.95	0.03500	458.80	88.85	
NC76	366.49	0.42000	458.02	91.53		NC122	369.45	0.03500	458.74	89.29	
NC77	367.84	0.42000	458.12	90.28		NC123	368.44	0.01750	458.66	90.22	
NC78	368.65	0.42000	458.18	89.53		NC124	368.13	0.03500	458.65	90.52	
NC79	363.44	0.42000	457.16	93.72		NC125	367.52	0.03500	458.62	91.10	
NC80	363.39	0.42000	457.43	94.04		NC126	366.86	0.03500	458.59	91.73	
NC81	363.78	0.42000	457.57	93.79		NC127	366.19	0.03500	458.57	92.38	
NC82	363.33	0.73500	456.99	93.66		NC128	365.57	0.03500	458.55	92.98	
NC83	373.71	0.57750	458.98	85.27		NC129	365.15	0.03500	458.52	93.37	
NC84	371.54	0.57750	458.71	87.17		NC130	364.36	0.03500	458.46	94.10	
NC85	370.98	0.57750	458.66	87.68		NC131	363.90	0.03500	458.46	94.56	
NC86	369.51	0.57750	458.50	88.99		NC132	363.34	0.03500	458.46	95.12	
NC87	367.98	0.42000	458.05	90.07		NC133	362.78	0.03500	458.45	95.67	
NC88	366.92	0.42000	457.94	91.02		NC134	362.22	0.03500	458.45	96.23	
NC89	365.58	0.42000	457.83	92.25		NC135	361.81	0.03500	458.45	96.64	
NC90	364.80	0.42000	457.77	92.97		NC136	361.66	0.03500	458.45	96.79	
NC91	363.14	0.73500	457.53	94.39		NC137	361.73	0.01750	458.45	96.72	
NC92	374.21	0.01750	459.09	84.88		NC138	374.31	0.03500	459.36	85.05	
NC93	373.97	0.03500	459.04	85.07		NC139	373.90	0.03500	459.40	85.50	
NC94	373.42	0.03500	458.98	85.56		NC140	373.30	0.03500	459.43	86.13	
NC95	372.65	0.03500	458.91	86.26		NC141	372.59	0.03500	459.46	86.87	
NC96	371.84	0.03500	458.85	87.01		NC142	371.90	0.03500	459.50	87.60	
NC97	371.03	0.03500	458.79	87.76		NC143	371.20	0.03500	459.53	88.33	
NC98	370.24	0.03500	458.73	88.49		NC144	370.48	0.03500	459.57	89.09	
NC99	369.67	0.03500	458.67	89.00		NC145	369.79	0.03500	459.61	89.82	
NC100	368.62	0.01750	458.20	89.58		NC146	369.27	0.03500	459.65	90.38	
NC101	368.27	0.03500	458.16	89.89		NC147	368.30	0.01750	458.83	90.53	
NC102	367.51	0.03500	458.10	90.59		NC148	367.96	0.03500	458.83	90.87	
NC103	366.64	0.03500	458.05	91.41		NC149	367.36	0.03500	458.83	91.47	
NC104	365.74	0.03500	457.99	92.25		NC150	366.70	0.03500	458.83	92.13	
NC105	364.88	0.03500	457.94	93.06		NC151	366.03	0.03500	458.83	92.80	
NC106	364.27	0.03500	457.93	93.66		NC152	365.39	0.03500	458.83	93.44	
NC107	363.43	0.03500	457.74	94.31		NC153	364.97	0.03500	458.83	93.86	
NC108	362.99	0.03500	457.74	94.75		NC154	364.29	0.01750	458.60	94.31	
NC109	362.48	0.03500	457.74	95.26		NC155	363.98	0.03500	458.59	94.61	
NC110	361.95	0.03500	457.74	95.79		NC156	363.46	0.03500	458.59	95.13	
NC111	361.44	0.03500	457.74	96.30		NC157	362.89	0.03500	458.59	95.70	
NC112	361.41	0.03500	457.74	96.33		NC158	362.33	0.03500	458.59	96.26	
NC113	361.17	0.03500	457.74	96.57		NC159	361.81	0.03500	458.59	96.78	
NC114	361.16	0.01750	457.74	96.58		NC160	361.53	0.03500	458.59	97.06	
NC115	374.07	0.03500	459.14	85.07		NC161	361.49	0.03500	458.59	97.10	Pres. máx.
NC116	373.47	0.03500	459.08	85.61		NC162	371.80	0.01750	459.56	87.76	
NC117	372.76	0.03500	459.02	86.26		NC163	371.53	0.03500	459.58	88.05	
NC118	372.06	0.03500	458.97	86.91		NC164	371.21	0.03500	459.60	88.39	
NC119	371.35	0.03500	458.91	87.56		NC165	370.89	0.03500	459.63	88.74	

NC166	370.57	0.03500	459.65	89.08
NC167	370.26	0.03500	459.68	89.42
NC168	369.93	0.03500	459.70	89.77
NC169	369.61	0.03500	459.73	90.12
NC170	369.29	0.03500	459.75	90.46
NC171	368.99	0.03500	459.78	90.79
NC172	369.01	0.51000	459.89	90.88
NC173	368.03	0.01750	459.41	91.38
NC174	367.80	0.03500	459.41	91.61
NC175	367.39	0.03500	459.40	92.01
NC176	366.97	0.03500	459.40	92.43
NC177	366.55	0.03500	459.40	92.85
NC178	366.13	0.03500	459.40	93.27
NC179	365.79	0.03500	459.40	93.61
NC180	365.78	0.31200	459.51	93.73
NC181	365.44	0.34200	459.34	93.90
NC182	365.09	0.01750	459.21	94.12
NC183	364.86	0.03500	459.21	94.35
NC184	364.45	0.03500	459.21	94.76
NC185	364.03	0.03500	459.21	95.18
NC186	363.60	0.03500	459.21	95.61
NC187	363.19	0.03500	459.21	96.02
NC188	362.95	0.03500	459.21	96.26
NC189	362.96	0.03500	459.21	96.25
NC190	372.76	0.01750	460.34	87.58
NC191	372.38	0.03500	460.40	88.02
NC192	370.71	0.31200	460.29	89.58
NC193	364.52	0.34200	460.04	95.52
NC194	372.86	0.03500	460.39	87.53
NC195	373.17	0.03500	460.56	87.39
NC196	373.32	0.03500	460.67	87.35
NC197	373.38	0.03500	460.79	87.41
NC198	373.24	0.03500	460.90	87.66
NC199	373.03	0.03500	460.92	87.89
NC200	371.84	0.03500	460.62	88.78
NC201	372.57	0.03500	460.81	88.24
NC202	373.22	0.03500	460.99	87.77
NC203	373.77	0.03500	461.17	87.40
NC204	370.52	0.03500	460.54	90.02
NC205	371.56	0.03500	460.58	89.02
NC206	372.55	0.03500	460.62	88.07
NC207	373.27	0.03500	460.66	87.39
NC208	369.71	0.03500	460.50	90.79
NC209	370.43	0.03500	460.53	90.10
NC210	371.27	0.03500	460.56	89.29
NC211	372.16	0.03500	460.59	88.43

NC212	372.87	0.03500	460.62	87.75
NC213	373.26	0.01750	460.64	87.38
NC214	368.79	0.03500	460.34	91.55
NC215	369.58	0.03500	460.39	90.81
NC216	370.41	0.03500	460.45	90.04
NC217	371.22	0.03500	460.51	89.29
NC218	371.95	0.03500	460.56	88.61
NC219	372.42	0.01750	460.62	88.20
NC220	368.22	0.03500	460.31	92.09
NC221	368.88	0.03500	460.35	91.47
NC222	369.55	0.03500	460.40	90.85
NC223	370.25	0.03500	460.45	90.20
NC224	370.96	0.03500	460.50	89.54
NC225	371.63	0.03500	460.55	88.92
NC226	372.16	0.03500	460.60	88.44
NC227	372.52	0.03500	460.65	88.13
NC228	366.31	0.01750	460.51	94.20
NC229	366.81	0.03500	460.58	93.77
NC230	367.41	0.03500	460.65	93.24
NC231	368.03	0.03500	460.73	92.70
NC232	368.64	0.03500	460.80	92.16
NC233	369.25	0.03500	460.87	91.62
NC234	369.86	0.03500	460.95	91.09
NC235	370.47	0.03500	461.03	90.56
NC236	371.08	0.03500	461.10	90.02
NC237	366.11	0.03500	460.51	94.40
NC238	366.53	0.03500	460.57	94.04
NC239	367.07	0.03500	460.64	93.57
NC240	367.61	0.03500	460.70	93.09
NC241	368.14	0.03500	460.77	92.63
NC242	368.68	0.03500	460.83	92.15
NC243	369.22	0.03500	460.90	91.68
NC244	369.75	0.03500	460.97	91.22
NC245	370.30	0.03500	461.04	90.74
NC246	370.83	0.03500	461.11	90.28
NC247	371.28	0.03500	461.18	89.90
NC248	371.56	0.03500	461.25	89.69
NC249	365.25	0.03500	460.28	95.03
NC250	365.57	0.03500	460.33	94.76
NC251	365.80	0.03500	460.39	94.59
NC252	366.04	0.03500	460.45	94.41
NC253	366.49	0.03500	460.50	94.01
NC254	366.49	0.03500	460.56	94.07
NC255	366.72	0.03500	460.62	93.90
NC256	366.95	0.03500	460.68	93.73
NC257	367.17	0.03500	460.74	93.57

NC258	367.41	0.03500	460.80	93.39
NC259	367.80	0.03500	460.86	93.06
NC260	368.43	0.03500	460.92	92.49
NC261	369.82	0.03500	461.02	91.20
NC262	373.66	0.03500	461.19	87.53
NC263	371.40	0.51000	459.59	88.19
NT2	372.45	---	459.07	86.62
NT3	372.01	---	458.00	85.99
NT4	371.07	---	457.61	86.54
NT5	368.26	---	456.15	87.89
NT6	367.91	---	456.20	88.29
NT9	369.42	---	459.22	89.80
NT10	369.45	---	459.14	89.69
NT12	367.77	---	458.01	90.24
NT13	367.69	---	457.73	90.04
NT14	367.05	---	457.62	90.57
NT15	364.66	---	456.87	92.21
NT16	364.63	---	456.81	92.18
NT17	362.43	---	456.79	94.36
NT18	369.57	---	459.19	89.62
NT19	369.11	---	459.09	89.98
NT21	366.90	---	458.25	91.35
NT22	366.90	---	457.96	91.06
NT23	366.94	---	457.75	90.81
NT24	363.87	---	457.10	93.23
NT25	363.65	---	457.02	93.37
NT26	361.91	---	457.16	95.25
NT27	374.14	---	459.12	84.98
NT28	369.37	---	458.48	89.11
NT29	368.89	---	458.22	89.33
NT30	364.10	---	457.67	93.57
NT31	363.75	---	457.54	93.79
NT32	360.83	---	457.52	96.69
NT33	374.61	---	459.11	84.50
NT34	369.37	---	458.61	89.24
NT35	369.06	---	458.24	89.18
NT36	364.28	---	457.92	93.64
NT37	363.93	---	457.74	93.81
NT38	360.93	---	457.74	96.81
NT39	374.71	---	459.22	84.51
NT40	369.07	---	458.70	89.63
NT41	368.68	---	458.68	90.00
NT42	364.81	---	458.50	93.69
NT43	364.55	---	458.46	93.91
NT44	361.80	---	458.45	96.65
NT45	374.29	---	459.35	85.06

NT47	368.48	---	458.83	90.35
NT48	365.04	---	458.83	93.79
NT49	364.69	---	458.60	93.91
NT50	362.04	---	458.59	96.55
NT51	372.52	---	459.54	87.02
NT52	368.73	---	459.80	91.07
NT53	368.27	---	459.41	91.14
NT54	365.56	---	459.40	93.84
NT55	365.31	---	459.21	93.90
NT56	363.10	---	459.21	96.11
NT57	371.55	---	459.56	88.01
NT58	371.47	---	459.60	88.13
NT59	372.97	---	460.14	87.17
NT60	371.59	---	460.46	88.87
NT61	371.24	---	460.47	89.23
NT62	369.53	---	460.49	90.96
NT63	369.37	---	460.48	91.11
NT64	367.72	---	460.27	92.55
NT65	367.34	---	460.27	92.93
NT66	366.13	---	460.46	94.33
NT67	365.80	---	460.46	94.66
NT68	364.78	---	460.21	95.43
NT69	373.66	---	461.22	87.56
NT70	373.77	---	461.18	87.41
NT71	373.51	---	460.69	87.18
NT72	373.49	---	460.66	87.17
NT73	372.87	---	460.65	87.78
NT74	372.68	---	460.68	88.00
NT75	371.82	---	461.22	89.40
NT76	371.53	---	461.28	89.75
NT80	371.67	---	461.37	89.70
NT81	373.72	---	461.71	87.99
NT97	374.35	---	459.18	84.83
SG1	374.00	-72.66896	464.00	90.00
SG2	371.68	-22.57864	461.68	90.00
SG3	372.50	-32.91529	462.50	90.00
SG4	371.00	-33.18509	461.00	90.00

Combinación: H7+H11

Nudo	Cota m	Caudal dem. l/s	Alt. piez. m.c.a.	Pre. disp. m.c.a.	Coment.
BR39	364.92	0.00000	458.05	93.13	
BR48	366.95	0.00000	458.64	91.69	
BR52	364.07	0.00000	458.03	93.96	
BR64	365.00	2.50000	458.39	93.39	

BR65	366.77	0.00000	458.48	91.71		NC25	369.39	0.28000	459.36	89.97	
BR88	365.71	0.00000	458.77	93.06		NC26	367.78	0.28000	459.02	91.24	
BR89	367.02	0.00000	458.83	91.81		NC27	367.68	0.28000	458.97	91.29	
BR92	370.26	0.00000	459.06	88.80		NC28	367.61	0.28000	458.79	91.18	
BR93	371.68	0.00000	459.16	87.48		NC29	371.65	0.28000	458.66	87.01	
BR99	372.39	0.00000	459.69	87.30		NC30	369.33	0.28000	458.66	89.33	
BR107	365.38	0.00000	458.79	93.41		NC31	368.80	0.28000	458.66	89.86	
BR115	369.55	0.00000	459.82	90.27		NC32	367.62	0.28000	458.66	91.04	
H1	372.62	0.00000	459.24	86.62		NC33	370.42	0.66500	458.44	88.02	
H2	368.64	0.00000	457.91	89.27		NC34	368.68	0.66500	458.45	89.77	
H3	364.62	0.00000	457.74	93.12		NC35	368.20	0.66500	458.45	90.25	
H4	369.25	0.00000	459.43	90.18		NC36	367.63	0.66500	458.47	90.84	
H5	372.86	0.00000	459.34	86.48		NC37	367.41	0.66500	458.37	90.96	
H6	368.22	0.00000	458.59	90.37		NC38	365.81	0.66500	458.18	92.37	
H7	363.62	16.60000	457.74	94.12		NC39	365.45	0.66500	458.15	92.70	
H8	361.47	0.00000	458.46	96.99		NC40	364.38	0.66500	457.97	93.59	
H9	371.64	0.00000	459.71	88.07		NC41	367.94	0.66500	457.89	89.95	
H10	369.83	0.00000	460.03	90.20		NC42	366.13	0.66500	457.89	91.76	
H11	367.02	16.60000	458.84	91.82		NC43	365.82	0.66500	457.90	92.08	
H12	373.31	0.00000	460.94	87.63		NC44	364.83	0.66500	457.93	93.10	
H13	365.67	0.00000	460.07	94.40		NC45	367.31	0.82250	457.85	90.54	
H14	372.42	0.00000	460.70	88.28		NC46	365.83	0.82250	457.85	92.02	
NC1	372.76	0.28000	459.12	86.36		NC47	365.61	0.82250	457.85	92.24	
NC2	372.81	0.28000	459.05	86.24		NC48	364.62	0.82250	457.89	93.27	
NC3	372.67	0.28000	458.84	86.17		NC49	364.50	0.82250	457.88	93.38	
NC4	372.40	0.28000	458.74	86.34		NC50	363.04	0.82250	457.85	94.81	
NC5	370.61	0.66500	458.33	87.72		NC51	362.80	0.82250	457.85	95.05	
NC6	370.12	0.66500	458.21	88.09		NC52	362.24	0.82250	457.85	95.61	
NC7	369.56	0.66500	458.05	88.49		NC53	368.81	0.57750	459.29	90.48	
NC8	369.10	0.66500	457.96	88.86		NC54	367.69	0.57750	459.07	91.38	
NC9	367.53	0.82250	457.83	90.30		NC55	367.63	0.57750	459.04	91.41	
NC10	365.75	0.82250	457.76	92.01		NC56	367.66	0.57750	458.91	91.25	
NC11	365.44	0.82250	457.75	92.31		NC57	366.80	0.57750	458.69	91.89	
NC12	364.46	0.82250	457.74	93.28		NC58	365.84	0.42000	458.28	92.44	
NC13	364.41	0.82250	457.74	93.33		NC59	364.23	0.42000	458.07	93.84	
NC14	363.64	0.82250	457.75	94.11		NC60	363.94	0.42000	458.00	94.06	
NC15	363.47	0.82250	457.76	94.29		NC61	363.25	0.73500	457.92	94.67	
NC16	362.60	0.82250	457.81	95.21		NC62	369.84	10.00000	459.41	89.57	
NC17	370.49	7.00000	460.59	90.10		NC63	372.47	10.00000	459.40	86.93	
NC18	369.40	7.00000	459.94	90.54		NC64	374.12	10.00000	459.40	85.28	
NC19	371.64	7.00000	459.42	87.78		NC65	374.94	7.00000	459.45	84.51	Pres. min.
NC20	369.92	7.00000	459.45	89.53		NC66	372.11	7.00000	459.58	87.47	
NC21	371.44	0.28000	459.36	87.92		NC67	371.49	0.15000	459.62	88.13	
NC22	370.40	0.28000	459.37	88.97		NC68	369.53	0.57750	459.34	89.81	
NC23	370.25	0.28000	459.38	89.13		NC69	371.51	0.57750	459.33	87.82	
NC24	369.25	0.28000	459.41	90.16		NC70	371.87	0.57750	459.33	87.46	

NC71	373.84	0.57750	459.35	85.51		NC117	372.76	0.03500	459.24	86.48	
NC72	366.55	0.57750	458.71	92.16		NC118	372.06	0.03500	459.19	87.13	
NC73	366.68	0.57750	458.72	92.04		NC119	371.35	0.03500	459.14	87.79	
NC74	368.91	0.57750	458.80	89.89		NC120	370.64	0.03500	459.09	88.45	
NC75	366.60	0.42000	458.52	91.92		NC121	369.95	0.03500	459.04	89.09	
NC76	366.49	0.42000	458.54	92.05		NC122	369.45	0.03500	458.99	89.54	
NC77	367.84	0.42000	458.58	90.74		NC123	368.44	0.01750	458.90	90.46	
NC78	368.65	0.42000	458.61	89.96		NC124	368.13	0.03500	458.88	90.75	
NC79	363.44	0.42000	458.01	94.57		NC125	367.52	0.03500	458.85	91.33	
NC80	363.39	0.42000	458.12	94.73		NC126	366.86	0.03500	458.82	91.96	
NC81	363.78	0.42000	458.18	94.40		NC127	366.19	0.03500	458.79	92.60	
NC82	363.33	0.73500	457.79	94.46		NC128	365.57	0.03500	458.76	93.19	
NC83	373.71	0.57750	459.24	85.53		NC129	365.15	0.03500	458.74	93.59	
NC84	371.54	0.57750	459.01	87.47		NC130	364.36	0.03500	458.60	94.24	
NC85	370.98	0.57750	458.96	87.98		NC131	363.90	0.03500	458.60	94.70	
NC86	369.51	0.57750	458.84	89.33		NC132	363.34	0.03500	458.60	95.26	
NC87	367.98	0.42000	458.49	90.51		NC133	362.78	0.03500	458.59	95.81	
NC88	366.92	0.42000	458.41	91.49		NC134	362.22	0.03500	458.59	96.37	
NC89	365.58	0.42000	458.33	92.75		NC135	361.81	0.03500	458.58	96.77	
NC90	364.80	0.42000	458.29	93.49		NC136	361.66	0.03500	458.58	96.92	
NC91	363.14	0.73500	458.12	94.98		NC137	361.73	0.01750	458.58	96.85	
NC92	374.21	0.01750	459.32	85.11		NC138	374.31	0.03500	459.53	85.22	
NC93	373.97	0.03500	459.28	85.31		NC139	373.90	0.03500	459.56	85.66	
NC94	373.42	0.03500	459.23	85.81		NC140	373.30	0.03500	459.58	86.28	
NC95	372.65	0.03500	459.17	86.52		NC141	372.59	0.03500	459.61	87.02	
NC96	371.84	0.03500	459.12	87.28		NC142	371.90	0.03500	459.64	87.74	
NC97	371.03	0.03500	459.06	88.03		NC143	371.20	0.03500	459.66	88.46	
NC98	370.24	0.03500	459.01	88.77		NC144	370.48	0.03500	459.69	89.21	
NC99	369.67	0.03500	458.96	89.29		NC145	369.79	0.03500	459.72	89.93	
NC100	368.62	0.01750	458.60	89.98		NC146	369.27	0.03500	459.75	90.48	
NC101	368.27	0.03500	458.57	90.30		NC147	368.30	0.01750	459.00	90.70	
NC102	367.51	0.03500	458.52	91.01		NC148	367.96	0.03500	459.00	91.04	
NC103	366.64	0.03500	458.47	91.83		NC149	367.36	0.03500	459.00	91.64	
NC104	365.74	0.03500	458.43	92.69		NC150	366.70	0.03500	459.00	92.30	
NC105	364.88	0.03500	458.39	93.51		NC151	366.03	0.03500	459.00	92.97	
NC106	364.27	0.03500	458.38	94.11		NC152	365.39	0.03500	459.00	93.61	
NC107	363.43	0.03500	458.23	94.80		NC153	364.97	0.03500	459.00	94.03	
NC108	362.99	0.03500	458.23	95.24		NC154	364.29	0.01750	458.64	94.35	
NC109	362.48	0.03500	458.23	95.75		NC155	363.98	0.03500	458.64	94.66	
NC110	361.95	0.03500	458.23	96.28		NC156	363.46	0.03500	458.64	95.18	
NC111	361.44	0.03500	458.23	96.79		NC157	362.89	0.03500	458.64	95.75	
NC112	361.41	0.03500	458.23	96.82		NC158	362.33	0.03500	458.64	96.31	
NC113	361.17	0.03500	458.23	97.06		NC159	361.81	0.03500	458.64	96.83	
NC114	361.16	0.01750	458.23	97.07		NC160	361.53	0.03500	458.64	97.11	
NC115	374.07	0.03500	459.35	85.28		NC161	361.49	0.03500	458.64	97.15	Pres. máx.
NC116	373.47	0.03500	459.29	85.82		NC162	371.80	0.01750	459.70	87.90	

NC163	371.53	0.03500	459.71	88.18
NC164	371.21	0.03500	459.73	88.52
NC165	370.89	0.03500	459.75	88.86
NC166	370.57	0.03500	459.76	89.19
NC167	370.26	0.03500	459.78	89.52
NC168	369.93	0.03500	459.80	89.87
NC169	369.61	0.03500	459.82	90.21
NC170	369.29	0.03500	459.84	90.55
NC171	368.99	0.03500	459.86	90.87
NC172	369.01	0.51000	459.94	90.93
NC173	368.03	0.01750	459.43	91.40
NC174	367.80	0.03500	459.42	91.62
NC175	367.39	0.03500	459.42	92.03
NC176	366.97	0.03500	459.41	92.44
NC177	366.55	0.03500	459.41	92.86
NC178	366.13	0.03500	459.40	93.27
NC179	365.79	0.03500	459.40	93.61
NC180	365.78	0.31200	459.45	93.67
NC181	365.44	0.34200	458.79	93.35
NC182	365.09	0.01750	458.80	93.71
NC183	364.86	0.03500	458.81	93.95
NC184	364.45	0.03500	458.83	94.38
NC185	364.03	0.03500	458.85	94.82
NC186	363.60	0.03500	458.87	95.27
NC187	363.19	0.03500	458.89	95.70
NC188	362.95	0.03500	458.91	95.96
NC189	362.96	0.03500	458.93	95.97
NC190	372.76	0.01750	460.30	87.54
NC191	372.38	0.03500	460.34	87.96
NC192	370.71	0.31200	460.21	89.50
NC193	364.52	0.34200	459.73	95.21
NC194	372.86	0.03500	460.41	87.55
NC195	373.17	0.03500	460.57	87.40
NC196	373.32	0.03500	460.68	87.36
NC197	373.38	0.03500	460.78	87.40
NC198	373.24	0.03500	460.89	87.65
NC199	373.03	0.03500	460.86	87.83
NC200	371.84	0.03500	460.52	88.68
NC201	372.57	0.03500	460.71	88.14
NC202	373.22	0.03500	460.89	87.67
NC203	373.77	0.03500	461.08	87.31
NC204	370.52	0.03500	460.38	89.86
NC205	371.56	0.03500	460.41	88.85
NC206	372.55	0.03500	460.44	87.89
NC207	373.27	0.03500	460.47	87.20
NC208	369.71	0.03500	460.32	90.61

NC209	370.43	0.03500	460.34	89.91
NC210	371.27	0.03500	460.37	89.10
NC211	372.16	0.03500	460.39	88.23
NC212	372.87	0.03500	460.42	87.55
NC213	373.26	0.01750	460.44	87.18
NC214	368.79	0.03500	459.98	91.19
NC215	369.58	0.03500	460.05	90.47
NC216	370.41	0.03500	460.13	89.72
NC217	371.22	0.03500	460.20	88.98
NC218	371.95	0.03500	460.28	88.33
NC219	372.42	0.01750	460.35	87.93
NC220	368.22	0.03500	459.73	91.51
NC221	368.88	0.03500	459.81	90.93
NC222	369.55	0.03500	459.90	90.35
NC223	370.25	0.03500	459.99	89.74
NC224	370.96	0.03500	460.09	89.13
NC225	371.63	0.03500	460.18	88.55
NC226	372.16	0.03500	460.27	88.11
NC227	372.52	0.03500	460.36	87.84
NC228	366.31	0.01750	460.15	93.84
NC229	366.81	0.03500	460.24	93.43
NC230	367.41	0.03500	460.33	92.92
NC231	368.03	0.03500	460.43	92.40
NC232	368.64	0.03500	460.53	91.89
NC233	369.25	0.03500	460.63	91.38
NC234	369.86	0.03500	460.73	90.87
NC235	370.47	0.03500	460.83	90.36
NC236	371.08	0.03500	460.94	89.86
NC237	366.11	0.03500	460.14	94.03
NC238	366.53	0.03500	460.23	93.70
NC239	367.07	0.03500	460.32	93.25
NC240	367.61	0.03500	460.40	92.79
NC241	368.14	0.03500	460.49	92.35
NC242	368.68	0.03500	460.58	91.90
NC243	369.22	0.03500	460.67	91.45
NC244	369.75	0.03500	460.76	91.01
NC245	370.30	0.03500	460.85	90.55
NC246	370.83	0.03500	460.94	90.11
NC247	371.28	0.03500	461.04	89.76
NC248	371.56	0.03500	461.13	89.57
NC249	365.25	0.03500	459.97	94.72
NC250	365.57	0.03500	460.04	94.47
NC251	365.80	0.03500	460.11	94.31
NC252	366.04	0.03500	460.18	94.14
NC253	366.49	0.03500	460.24	93.75
NC254	366.49	0.03500	460.31	93.82

NC255	366.72	0.03500	460.38	93.66
NC256	366.95	0.03500	460.45	93.50
NC257	367.17	0.03500	460.52	93.35
NC258	367.41	0.03500	460.60	93.19
NC259	367.80	0.03500	460.67	92.87
NC260	368.43	0.03500	460.74	92.31
NC261	369.82	0.03500	460.86	91.04
NC262	373.66	0.03500	461.15	87.49
NC263	371.40	0.51000	459.75	88.35
NT2	372.45	---	459.36	86.91
NT3	372.01	---	458.66	86.65
NT4	371.07	---	458.44	87.37
NT5	368.26	---	457.89	89.63
NT6	367.91	---	457.85	89.94
NT9	369.42	---	459.47	90.05
NT10	369.45	---	459.41	89.96
NT12	367.77	---	458.66	90.89
NT13	367.69	---	458.47	90.78
NT14	367.05	---	458.36	91.31
NT15	364.66	---	457.94	93.28
NT16	364.63	---	457.90	93.27
NT17	362.43	---	457.85	95.42
NT18	369.57	---	459.43	89.86
NT19	369.11	---	459.34	90.23
NT21	366.90	---	458.69	91.79
NT22	366.90	---	458.52	91.62
NT23	366.94	---	458.41	91.47
NT24	363.87	---	457.99	94.12
NT25	363.65	---	457.91	94.26
NT26	361.91	---	457.98	96.07
NT27	374.14	---	459.35	85.21
NT28	369.37	---	458.82	89.45
NT29	368.89	---	458.63	89.74
NT30	364.10	---	458.23	94.13
NT31	363.75	---	458.12	94.37
NT32	360.83	---	458.12	97.29
NT33	374.61	---	459.34	84.73
NT34	369.37	---	458.91	89.54
NT35	369.06	---	458.63	89.57
NT36	364.28	---	458.37	94.09
NT37	363.93	---	458.23	94.30
NT38	360.93	---	458.23	97.30
NT39	374.71	---	459.42	84.71
NT40	369.07	---	458.95	89.88
NT41	368.68	---	458.92	90.24
NT42	364.81	---	458.72	93.91

NT43	364.55	---	458.61	94.06
NT44	361.80	---	458.58	96.78
NT45	374.29	---	459.52	85.23
NT47	368.48	---	459.00	90.52
NT48	365.04	---	459.00	93.96
NT49	364.69	---	458.64	93.95
NT50	362.04	---	458.64	96.60
NT51	372.52	---	459.69	87.17
NT52	368.73	---	459.87	91.14
NT53	368.27	---	459.43	91.16
NT54	365.56	---	459.39	93.83
NT55	365.31	---	458.79	93.48
NT56	363.10	---	458.94	95.84
NT57	371.55	---	459.73	88.18
NT58	371.47	---	459.75	88.28
NT59	372.97	---	460.18	87.21
NT60	371.59	---	460.38	88.79
NT61	371.24	---	460.36	89.12
NT62	369.53	---	460.34	90.81
NT63	369.37	---	460.30	90.93
NT64	367.72	---	459.89	92.17
NT65	367.34	---	459.65	92.31
NT66	366.13	---	460.07	93.94
NT67	365.80	---	460.07	94.27
NT68	364.78	---	459.89	95.11
NT69	373.66	---	461.18	87.52
NT70	373.77	---	461.08	87.31
NT71	373.51	---	460.50	86.99
NT72	373.49	---	460.45	86.96
NT73	372.87	---	460.39	87.52
NT74	372.68	---	460.42	87.74
NT75	371.82	---	461.09	89.27
NT76	371.53	---	461.17	89.64
NT80	371.67	---	461.29	89.62
NT81	373.72	---	461.67	87.95
NT97	374.35	---	459.41	85.06
SG1	374.00	-70.70896	464.00	90.00
SG2	371.68	-25.77598	461.68	90.00
SG3	372.50	-33.79918	462.50	90.00
SG4	371.00	-31.06385	461.00	90.00

Combinación: H11+H14

Nudo	Cota m	Caudal dem. l/s	Alt. piez. m.c.a.	Pre. disp. m.c.a.	Coment.
BR39	364.92	0.00000	458.85	93.93	

BR48	366.95	0.00000	459.18	92.23		NC22	370.40	0.28000	459.67	89.27	
BR52	364.07	0.00000	458.90	94.83		NC23	370.25	0.28000	459.67	89.42	
BR64	365.00	2.50000	459.07	94.07		NC24	369.25	0.28000	459.69	90.44	
BR65	366.77	0.00000	459.11	92.34		NC25	369.39	0.28000	459.67	90.28	
BR88	365.71	0.00000	459.26	93.55		NC26	367.78	0.28000	459.42	91.64	
BR89	367.02	0.00000	459.29	92.27		NC27	367.68	0.28000	459.39	91.71	
BR92	370.26	0.00000	459.45	89.19		NC28	367.61	0.28000	459.26	91.65	
BR93	371.68	0.00000	459.51	87.83		NC29	371.65	0.28000	459.17	87.52	
BR99	372.39	0.00000	459.89	87.50		NC30	369.33	0.28000	459.17	89.84	
BR107	365.38	0.00000	459.13	93.75		NC31	368.80	0.28000	459.17	90.37	
BR115	369.55	0.00000	459.98	90.43		NC32	367.62	0.28000	459.18	91.56	
H1	372.62	0.00000	459.57	86.95		NC33	370.42	0.66500	459.03	88.61	
H2	368.64	0.00000	458.72	90.08		NC34	368.68	0.66500	459.03	90.35	
H3	364.62	0.00000	458.61	93.99		NC35	368.20	0.66500	459.03	90.83	
H4	369.25	0.00000	459.70	90.45		NC36	367.63	0.66500	459.05	91.42	
H5	372.86	0.00000	459.63	86.77		NC37	367.41	0.66500	459.01	91.60	
H6	368.22	0.00000	459.15	90.93		NC38	365.81	0.66500	458.91	93.10	
H7	363.62	0.00000	458.97	95.35		NC39	365.45	0.66500	458.89	93.44	
H8	361.47	0.00000	459.09	97.62		NC40	364.38	0.66500	458.81	94.43	
H9	371.64	0.00000	459.91	88.27		NC41	367.94	0.66500	458.72	90.78	
H10	369.83	0.00000	460.09	90.26		NC42	366.13	0.66500	458.73	92.60	
H11	367.02	16.60000	459.08	92.06		NC43	365.82	0.66500	458.74	92.92	
H12	373.31	0.00000	460.97	87.66		NC44	364.83	0.66500	458.78	93.95	
H13	365.67	0.00000	460.10	94.43		NC45	367.31	0.82250	458.69	91.38	
H14	372.42	16.60000	459.76	87.34		NC46	365.83	0.82250	458.70	92.87	
NC1	372.76	0.28000	459.49	86.73		NC47	365.61	0.82250	458.71	93.10	
NC2	372.81	0.28000	459.44	86.63		NC48	364.62	0.82250	458.77	94.15	
NC3	372.67	0.28000	459.30	86.63		NC49	364.50	0.82250	458.77	94.27	
NC4	372.40	0.28000	459.23	86.83		NC50	363.04	0.82250	458.74	95.70	
NC5	370.61	0.66500	458.96	88.35		NC51	362.80	0.82250	458.73	95.93	
NC6	370.12	0.66500	458.89	88.77		NC52	362.24	0.82250	458.73	96.49	
NC7	369.56	0.66500	458.80	89.24		NC53	368.81	0.57750	459.59	90.78	
NC8	369.10	0.66500	458.75	89.65		NC54	367.69	0.57750	459.44	91.75	
NC9	367.53	0.82250	458.67	91.14		NC55	367.63	0.57750	459.42	91.79	
NC10	365.75	0.82250	458.62	92.87		NC56	367.66	0.57750	459.34	91.68	
NC11	365.44	0.82250	458.61	93.17		NC57	366.80	0.57750	459.20	92.40	
NC12	364.46	0.82250	458.61	94.15		NC58	365.84	0.42000	458.99	93.15	
NC13	364.41	0.82250	458.61	94.20		NC59	364.23	0.42000	458.91	94.68	
NC14	363.64	0.82250	458.62	94.98		NC60	363.94	0.42000	458.89	94.95	
NC15	363.47	0.82250	458.63	95.16		NC61	363.25	0.73500	458.87	95.62	
NC16	362.60	0.82250	458.69	96.09		NC62	369.84	10.00000	459.68	89.84	
NC17	370.49	7.00000	460.79	90.30		NC63	372.47	10.00000	459.67	87.20	
NC18	369.40	7.00000	460.18	90.78		NC64	374.12	10.00000	459.67	85.55	
NC19	371.64	7.00000	459.70	88.06		NC65	374.94	7.00000	459.70	84.76	Pres. min.
NC20	369.92	7.00000	459.72	89.80		NC66	372.11	7.00000	459.80	87.69	
NC21	371.44	0.28000	459.66	88.22		NC67	371.49	0.15000	459.84	88.35	

NC68	369.53	0.57750	459.63	90.10		NC114	361.16	0.01750	459.02	97.86	Pres. máx.
NC69	371.51	0.57750	459.62	88.11		NC115	374.07	0.03500	459.64	85.57	
NC70	371.87	0.57750	459.62	87.75		NC116	373.47	0.03500	459.60	86.13	
NC71	373.84	0.57750	459.63	85.79		NC117	372.76	0.03500	459.57	86.81	
NC72	366.55	0.57750	459.21	92.66		NC118	372.06	0.03500	459.53	87.47	
NC73	366.68	0.57750	459.22	92.54		NC119	371.35	0.03500	459.50	88.15	
NC74	368.91	0.57750	459.27	90.36		NC120	370.64	0.03500	459.46	88.82	
NC75	366.60	0.42000	459.11	92.51		NC121	369.95	0.03500	459.43	89.48	
NC76	366.49	0.42000	459.12	92.63		NC122	369.45	0.03500	459.40	89.95	
NC77	367.84	0.42000	459.15	91.31		NC123	368.44	0.01750	459.34	90.90	
NC78	368.65	0.42000	459.17	90.52		NC124	368.13	0.03500	459.32	91.19	
NC79	363.44	0.42000	458.89	95.45		NC125	367.52	0.03500	459.31	91.79	
NC80	363.39	0.42000	458.95	95.56		NC126	366.86	0.03500	459.29	92.43	
NC81	363.78	0.42000	458.99	95.21		NC127	366.19	0.03500	459.27	93.08	
NC82	363.33	0.73500	458.93	95.60		NC128	365.57	0.03500	459.25	93.68	
NC83	373.71	0.57750	459.55	85.84		NC129	365.15	0.03500	459.24	94.09	
NC84	371.54	0.57750	459.40	87.86		NC130	364.36	0.03500	459.14	94.78	
NC85	370.98	0.57750	459.37	88.39		NC131	363.90	0.03500	459.14	95.24	
NC86	369.51	0.57750	459.30	89.79		NC132	363.34	0.03500	459.14	95.80	
NC87	367.98	0.42000	459.12	91.14		NC133	362.78	0.03500	459.14	96.36	
NC88	366.92	0.42000	459.09	92.17		NC134	362.22	0.03500	459.14	96.92	
NC89	365.58	0.42000	459.05	93.47		NC135	361.81	0.03500	459.13	97.32	
NC90	364.80	0.42000	459.04	94.24		NC136	361.66	0.03500	459.13	97.47	
NC91	363.14	0.73500	458.99	95.85		NC137	361.73	0.01750	459.13	97.40	
NC92	374.21	0.01750	459.62	85.41		NC138	374.31	0.03500	459.77	85.46	
NC93	373.97	0.03500	459.59	85.62		NC139	373.90	0.03500	459.79	85.89	
NC94	373.42	0.03500	459.55	86.13		NC140	373.30	0.03500	459.81	86.51	
NC95	372.65	0.03500	459.52	86.87		NC141	372.59	0.03500	459.83	87.24	
NC96	371.84	0.03500	459.48	87.64		NC142	371.90	0.03500	459.85	87.95	
NC97	371.03	0.03500	459.44	88.41		NC143	371.20	0.03500	459.87	88.67	
NC98	370.24	0.03500	459.41	89.17		NC144	370.48	0.03500	459.89	89.41	
NC99	369.67	0.03500	459.38	89.71		NC145	369.79	0.03500	459.91	90.12	
NC100	368.62	0.01750	459.17	90.55		NC146	369.27	0.03500	459.93	90.66	
NC101	368.27	0.03500	459.16	90.89		NC147	368.30	0.01750	459.39	91.09	
NC102	367.51	0.03500	459.13	91.62		NC148	367.96	0.03500	459.39	91.43	
NC103	366.64	0.03500	459.11	92.47		NC149	367.36	0.03500	459.39	92.03	
NC104	365.74	0.03500	459.09	93.35		NC150	366.70	0.03500	459.39	92.69	
NC105	364.88	0.03500	459.07	94.19		NC151	366.03	0.03500	459.39	93.36	
NC106	364.27	0.03500	459.07	94.80		NC152	365.39	0.03500	459.38	93.99	
NC107	363.43	0.03500	459.03	95.60		NC153	364.97	0.03500	459.38	94.41	
NC108	362.99	0.03500	459.02	96.03		NC154	364.29	0.01750	459.14	94.85	
NC109	362.48	0.03500	459.02	96.54		NC155	363.98	0.03500	459.14	95.16	
NC110	361.95	0.03500	459.02	97.07		NC156	363.46	0.03500	459.14	95.68	
NC111	361.44	0.03500	459.02	97.58		NC157	362.89	0.03500	459.15	96.26	
NC112	361.41	0.03500	459.02	97.61		NC158	362.33	0.03500	459.15	96.82	
NC113	361.17	0.03500	459.02	97.85		NC159	361.81	0.03500	459.15	97.34	

NC160	361.53	0.03500	459.15	97.62
NC161	361.49	0.03500	459.16	97.67
NC162	371.80	0.01750	459.90	88.10
NC163	371.53	0.03500	459.91	88.38
NC164	371.21	0.03500	459.92	88.71
NC165	370.89	0.03500	459.93	89.04
NC166	370.57	0.03500	459.94	89.37
NC167	370.26	0.03500	459.95	89.69
NC168	369.93	0.03500	459.97	90.04
NC169	369.61	0.03500	459.98	90.37
NC170	369.29	0.03500	459.99	90.70
NC171	368.99	0.03500	460.01	91.02
NC172	369.01	0.51000	460.07	91.06
NC173	368.03	0.01750	459.65	91.62
NC174	367.80	0.03500	459.64	91.84
NC175	367.39	0.03500	459.63	92.24
NC176	366.97	0.03500	459.62	92.65
NC177	366.55	0.03500	459.61	93.06
NC178	366.13	0.03500	459.60	93.47
NC179	365.79	0.03500	459.59	93.80
NC180	365.78	0.31200	459.60	93.82
NC181	365.44	0.34200	459.13	93.69
NC182	365.09	0.01750	459.15	94.06
NC183	364.86	0.03500	459.17	94.31
NC184	364.45	0.03500	459.19	94.74
NC185	364.03	0.03500	459.21	95.18
NC186	363.60	0.03500	459.23	95.63
NC187	363.19	0.03500	459.25	96.06
NC188	362.95	0.03500	459.27	96.32
NC189	362.96	0.03500	459.30	96.34
NC190	372.76	0.01750	460.35	87.59
NC191	372.38	0.03500	460.37	87.99
NC192	370.71	0.31200	460.23	89.52
NC193	364.52	0.34200	459.84	95.32
NC194	372.86	0.03500	460.50	87.64
NC195	373.17	0.03500	460.64	87.47
NC196	373.32	0.03500	460.73	87.41
NC197	373.38	0.03500	460.82	87.44
NC198	373.24	0.03500	460.92	87.68
NC199	373.03	0.03500	460.88	87.85
NC200	371.84	0.03500	460.49	88.65
NC201	372.57	0.03500	460.66	88.09
NC202	373.22	0.03500	460.84	87.62
NC203	373.77	0.03500	461.00	87.23
NC204	370.52	0.03500	460.21	89.69
NC205	371.56	0.03500	460.23	88.67

NC206	372.55	0.03500	460.24	87.69
NC207	373.27	0.03500	460.25	86.98
NC208	369.71	0.03500	460.15	90.44
NC209	370.43	0.03500	460.15	89.72
NC210	371.27	0.03500	460.16	88.89
NC211	372.16	0.03500	460.16	88.00
NC212	372.87	0.03500	460.17	87.30
NC213	373.26	0.01750	460.17	86.91
NC214	368.79	0.03500	459.77	90.98
NC215	369.58	0.03500	459.78	90.20
NC216	370.41	0.03500	459.80	89.39
NC217	371.22	0.03500	459.81	88.59
NC218	371.95	0.03500	459.82	87.87
NC219	372.42	0.01750	459.83	87.41
NC220	368.22	0.03500	459.61	91.39
NC221	368.88	0.03500	459.63	90.75
NC222	369.55	0.03500	459.65	90.10
NC223	370.25	0.03500	459.67	89.42
NC224	370.96	0.03500	459.70	88.74
NC225	371.63	0.03500	459.72	88.09
NC226	372.16	0.03500	459.74	87.58
NC227	372.52	0.03500	459.77	87.25
NC228	366.31	0.01750	460.09	93.78
NC229	366.81	0.03500	460.16	93.35
NC230	367.41	0.03500	460.23	92.82
NC231	368.03	0.03500	460.30	92.27
NC232	368.64	0.03500	460.38	91.74
NC233	369.25	0.03500	460.45	91.20
NC234	369.86	0.03500	460.53	90.67
NC235	370.47	0.03500	460.61	90.14
NC236	371.08	0.03500	460.68	89.60
NC237	366.11	0.03500	460.11	94.00
NC238	366.53	0.03500	460.18	93.65
NC239	367.07	0.03500	460.26	93.19
NC240	367.61	0.03500	460.34	92.73
NC241	368.14	0.03500	460.42	92.28
NC242	368.68	0.03500	460.50	91.82
NC243	369.22	0.03500	460.59	91.37
NC244	369.75	0.03500	460.67	90.92
NC245	370.30	0.03500	460.75	90.45
NC246	370.83	0.03500	460.84	90.01
NC247	371.28	0.03500	460.92	89.64
NC248	371.56	0.03500	461.01	89.45
NC249	365.25	0.03500	460.02	94.77
NC250	365.57	0.03500	460.07	94.50
NC251	365.80	0.03500	460.13	94.33

NC252	366.04	0.03500	460.19	94.15
NC253	366.49	0.03500	460.25	93.76
NC254	366.49	0.03500	460.31	93.82
NC255	366.72	0.03500	460.37	93.65
NC256	366.95	0.03500	460.43	93.48
NC257	367.17	0.03500	460.49	93.32
NC258	367.41	0.03500	460.55	93.14
NC259	367.80	0.03500	460.61	92.81
NC260	368.43	0.03500	460.68	92.25
NC261	369.82	0.03500	460.77	90.95
NC262	373.66	0.03500	461.15	87.49
NC263	371.40	0.51000	459.94	88.54
NT2	372.45	---	459.66	87.21
NT3	372.01	---	459.18	87.17
NT4	371.07	---	459.03	87.96
NT5	368.26	---	458.72	90.46
NT6	367.91	---	458.69	90.78
NT9	369.42	---	459.74	90.32
NT10	369.45	---	459.70	90.25
NT12	367.77	---	459.18	91.41
NT13	367.69	---	459.06	91.37
NT14	367.05	---	459.01	91.96
NT15	364.66	---	458.80	94.14
NT16	364.63	---	458.78	94.15
NT17	362.43	---	458.74	96.31
NT18	369.57	---	459.70	90.13
NT19	369.11	---	459.63	90.52
NT21	366.90	---	459.20	92.30
NT22	366.90	---	459.11	92.21
NT23	366.94	---	459.05	92.11
NT24	363.87	---	458.88	95.01
NT25	363.65	---	458.88	95.23
NT26	361.91	---	458.88	96.97
NT27	374.14	---	459.63	85.49
NT28	369.37	---	459.29	89.92
NT29	368.89	---	459.18	90.29
NT30	364.10	---	459.02	94.92
NT31	363.75	---	459.01	95.26
NT32	360.83	---	458.97	98.14
NT33	374.61	---	459.63	85.02
NT34	369.37	---	459.35	89.98
NT35	369.06	---	459.19	90.13
NT36	364.28	---	459.07	94.79
NT37	363.93	---	459.03	95.10
NT38	360.93	---	459.02	98.09
NT39	374.71	---	459.69	84.98

NT40	369.07	---	459.37	90.30
NT41	368.68	---	459.35	90.67
NT42	364.81	---	459.23	94.42
NT43	364.55	---	459.14	94.59
NT44	361.80	---	459.13	97.33
NT45	374.29	---	459.76	85.47
NT47	368.48	---	459.39	90.91
NT48	365.04	---	459.38	94.34
NT49	364.69	---	459.14	94.45
NT50	362.04	---	459.16	97.12
NT51	372.52	---	459.89	87.37
NT52	368.73	---	460.02	91.29
NT53	368.27	---	459.65	91.38
NT54	365.56	---	459.58	94.02
NT55	365.31	---	459.14	93.83
NT56	363.10	---	459.31	96.21
NT57	371.55	---	459.93	88.38
NT58	371.47	---	459.95	88.48
NT59	372.97	---	460.29	87.32
NT60	371.59	---	460.39	88.80
NT61	371.24	---	460.34	89.10
NT62	369.53	---	460.20	90.67
NT63	369.37	---	460.14	90.77
NT64	367.72	---	459.76	92.04
NT65	367.34	---	459.59	92.25
NT66	366.13	---	460.03	93.90
NT67	365.80	---	460.04	94.24
NT68	364.78	---	459.95	95.17
NT69	373.66	---	461.19	87.53
NT70	373.77	---	461.01	87.24
NT71	373.51	---	460.26	86.75
NT72	373.49	---	460.17	86.68
NT73	372.87	---	459.83	86.96
NT74	372.68	---	459.78	87.10
NT75	371.82	---	460.81	88.99
NT76	371.53	---	461.05	89.52
NT80	371.67	---	461.15	89.48
NT81	373.72	---	461.65	87.93
NT97	374.35	---	459.67	85.32
SG1	374.00	-68.48012	464.00	90.00
SG2	371.68	-30.39744	461.68	90.00
SG3	372.50	-34.17943	462.50	90.00
SG4	371.00	-28.29099	461.00	90.00

Combinación: H1+H6

Nudo	Cota m	Caudal dem. l/s	Alt. piez. m.c.a.	Pre. disp. m.c.a.	Coment.
BR39	364.92	0.00000	457.99	93.07	
BR48	366.95	0.00000	458.27	91.32	
BR52	364.07	0.00000	458.10	94.03	
BR64	365.00	2.50000	458.46	93.46	
BR65	366.77	0.00000	458.47	91.70	
BR88	365.71	0.00000	458.93	93.22	
BR89	367.02	0.00000	458.93	91.91	
BR92	370.26	0.00000	458.99	88.73	
BR93	371.68	0.00000	459.06	87.38	
BR99	372.39	0.00000	459.51	87.12	
BR107	365.38	0.00000	459.62	94.24	
BR115	369.55	0.00000	459.73	90.18	
H1	372.62	16.60000	458.14	85.52	
H2	368.64	0.00000	457.86	89.22	
H3	364.62	0.00000	457.80	93.18	
H4	369.25	0.00000	459.06	89.81	
H5	372.86	0.00000	459.01	86.15	
H6	368.22	16.60000	457.74	89.52	
H7	363.62	0.00000	458.32	94.70	
H8	361.47	0.00000	458.80	97.33	
H9	371.64	0.00000	459.52	87.88	
H10	369.83	0.00000	460.22	90.39	
H11	367.02	0.00000	460.23	93.21	
H12	373.31	0.00000	460.98	87.67	
H13	365.67	0.00000	460.52	94.85	
H14	372.42	0.00000	460.99	88.57	
NC1	372.76	0.28000	458.13	85.37	
NC2	372.81	0.28000	458.12	85.31	
NC3	372.67	0.28000	458.09	85.42	
NC4	372.40	0.28000	458.08	85.68	
NC5	370.61	0.66500	457.97	87.36	
NC6	370.12	0.66500	457.93	87.81	
NC7	369.56	0.66500	457.89	88.33	
NC8	369.10	0.66500	457.87	88.77	
NC9	367.53	0.82250	457.83	90.30	
NC10	365.75	0.82250	457.80	92.05	
NC11	365.44	0.82250	457.80	92.36	
NC12	364.46	0.82250	457.79	93.33	
NC13	364.41	0.82250	457.80	93.39	
NC14	363.64	0.82250	457.82	94.18	
NC15	363.47	0.82250	457.83	94.36	
NC16	362.60	0.82250	457.91	95.31	
NC17	370.49	7.00000	460.30	89.81	

NC18	369.40	7.00000	459.59	90.19
NC19	371.64	7.00000	458.98	87.34
NC20	369.92	7.00000	459.04	89.12
NC21	371.44	0.28000	458.75	87.31
NC22	370.40	0.28000	458.83	88.43
NC23	370.25	0.28000	458.84	88.59
NC24	369.25	0.28000	458.97	89.72
NC25	369.39	0.28000	458.94	89.55
NC26	367.78	0.28000	458.57	90.79
NC27	367.68	0.28000	458.51	90.83
NC28	367.61	0.28000	458.32	90.71
NC29	371.65	0.28000	458.08	86.43
NC30	369.33	0.28000	458.11	88.78
NC31	368.80	0.28000	458.12	89.32
NC32	367.62	0.28000	458.17	90.55
NC33	370.42	0.66500	458.02	87.60
NC34	368.68	0.66500	458.03	89.35
NC35	368.20	0.66500	458.03	89.83
NC36	367.63	0.66500	458.07	90.44
NC37	367.41	0.66500	458.06	90.65
NC38	365.81	0.66500	458.01	92.20
NC39	365.45	0.66500	458.01	92.56
NC40	364.38	0.66500	457.98	93.60
NC41	367.94	0.66500	457.86	89.92
NC42	366.13	0.66500	457.89	91.76
NC43	365.82	0.66500	457.89	92.07
NC44	364.83	0.66500	457.96	93.13
NC45	367.31	0.82250	457.85	90.54
NC46	365.83	0.82250	457.87	92.04
NC47	365.61	0.82250	457.88	92.27
NC48	364.62	0.82250	457.95	93.33
NC49	364.50	0.82250	457.97	93.47
NC50	363.04	0.82250	457.95	94.91
NC51	362.80	0.82250	457.95	95.15
NC52	362.24	0.82250	457.96	95.72
NC53	368.81	0.57750	458.93	90.12
NC54	367.69	0.57750	458.71	91.02
NC55	367.63	0.57750	458.69	91.06
NC56	367.66	0.57750	458.55	90.89
NC57	366.80	0.57750	458.34	91.54
NC58	365.84	0.42000	458.09	92.25
NC59	364.23	0.42000	458.09	93.86
NC60	363.94	0.42000	458.10	94.16
NC61	363.25	0.73500	458.11	94.86
NC62	369.84	10.00000	459.05	89.21
NC63	372.47	10.00000	459.05	86.58

NC64	374.12	10.00000	459.06	84.94	Pres. min.	NC110	361.95	0.03500	458.51	96.56	
NC65	374.94	7.00000	459.13	84.19		NC111	361.44	0.03500	458.51	97.07	
NC66	372.11	7.00000	459.31	87.20		NC112	361.41	0.03500	458.51	97.10	
NC67	371.49	0.15000	459.36	87.87		NC113	361.17	0.03500	458.51	97.34	
NC68	369.53	0.57750	458.98	89.45		NC114	361.16	0.01750	458.51	97.35	
NC69	371.51	0.57750	458.98	87.47		NC115	374.07	0.03500	459.17	85.10	
NC70	371.87	0.57750	458.99	87.12		NC116	373.47	0.03500	459.14	85.67	
NC71	373.84	0.57750	459.02	85.18		NC117	372.76	0.03500	459.11	86.35	
NC72	366.55	0.57750	458.38	91.83		NC118	372.06	0.03500	459.07	87.01	
NC73	366.68	0.57750	458.41	91.73		NC119	371.35	0.03500	459.04	87.69	
NC74	368.91	0.57750	458.55	89.64		NC120	370.64	0.03500	459.01	88.37	
NC75	366.60	0.42000	458.04	91.44		NC121	369.95	0.03500	458.98	89.03	
NC76	366.49	0.42000	457.93	91.44		NC122	369.45	0.03500	458.95	89.50	
NC77	367.84	0.42000	457.76	89.92		NC123	368.44	0.01750	458.93	90.49	
NC78	368.65	0.42000	458.10	89.45		NC124	368.13	0.03500	458.93	90.80	
NC79	363.44	0.42000	458.13	94.69		NC125	367.52	0.03500	458.93	91.41	
NC80	363.39	0.42000	458.26	94.87		NC126	366.86	0.03500	458.93	92.07	
NC81	363.78	0.42000	458.34	94.56		NC127	366.19	0.03500	458.93	92.74	
NC82	363.33	0.73500	458.23	94.90		NC128	365.57	0.03500	458.93	93.36	
NC83	373.71	0.57750	458.94	85.23		NC129	365.15	0.03500	458.93	93.78	
NC84	371.54	0.57750	458.74	87.20		NC130	364.36	0.03500	458.94	94.58	
NC85	370.98	0.57750	458.70	87.72		NC131	363.90	0.03500	458.94	95.04	
NC86	369.51	0.57750	458.60	89.09		NC132	363.34	0.03500	458.94	95.60	
NC87	367.98	0.42000	458.38	90.40		NC133	362.78	0.03500	458.94	96.16	
NC88	366.92	0.42000	458.38	91.46		NC134	362.22	0.03500	458.94	96.72	
NC89	365.58	0.42000	458.38	92.80		NC135	361.81	0.03500	458.94	97.13	
NC90	364.80	0.42000	458.38	93.58		NC136	361.66	0.03500	458.94	97.28	
NC91	363.14	0.73500	458.39	95.25		NC137	361.73	0.01750	458.94	97.21	
NC92	374.21	0.01750	459.03	84.82		NC138	374.31	0.03500	459.36	85.05	
NC93	373.97	0.03500	459.00	85.03		NC139	373.90	0.03500	459.39	85.49	
NC94	373.42	0.03500	458.96	85.54		NC140	373.30	0.03500	459.43	86.13	
NC95	372.65	0.03500	458.92	86.27		NC141	372.59	0.03500	459.46	86.87	
NC96	371.84	0.03500	458.88	87.04		NC142	371.90	0.03500	459.50	87.60	
NC97	371.03	0.03500	458.84	87.81		NC143	371.20	0.03500	459.53	88.33	
NC98	370.24	0.03500	458.81	88.57		NC144	370.48	0.03500	459.57	89.09	
NC99	369.67	0.03500	458.77	89.10		NC145	369.79	0.03500	459.61	89.82	
NC100	368.62	0.01750	458.48	89.86		NC146	369.27	0.03500	459.65	90.38	
NC101	368.27	0.03500	458.47	90.20		NC147	368.30	0.01750	459.10	90.80	
NC102	367.51	0.03500	458.47	90.96		NC148	367.96	0.03500	459.10	91.14	
NC103	366.64	0.03500	458.47	91.83		NC149	367.36	0.03500	459.11	91.75	
NC104	365.74	0.03500	458.46	92.72		NC150	366.70	0.03500	459.11	92.41	
NC105	364.88	0.03500	458.46	93.58		NC151	366.03	0.03500	459.12	93.09	
NC106	364.27	0.03500	458.47	94.20		NC152	365.39	0.03500	459.13	93.74	
NC107	363.43	0.03500	458.51	95.08		NC153	364.97	0.03500	459.14	94.17	
NC108	362.99	0.03500	458.51	95.52		NC154	364.29	0.01750	459.05	94.76	
NC109	362.48	0.03500	458.51	96.03		NC155	363.98	0.03500	459.05	95.07	

NC156	363.46	0.03500	459.05	95.59	Pres. máx.	NC202	373.22	0.03500	461.05	87.83	
NC157	362.89	0.03500	459.05	96.16		NC203	373.77	0.03500	461.23	87.46	
NC158	362.33	0.03500	459.05	96.72		NC204	370.52	0.03500	460.64	90.12	
NC159	361.81	0.03500	459.05	97.24		NC205	371.56	0.03500	460.68	89.12	
NC160	361.53	0.03500	459.05	97.52		NC206	372.55	0.03500	460.71	88.16	
NC161	361.49	0.03500	459.05	97.56		NC207	373.27	0.03500	460.75	87.48	
NC162	371.80	0.01750	459.53	87.73		NC208	369.71	0.03500	460.61	90.90	
NC163	371.53	0.03500	459.55	88.02		NC209	370.43	0.03500	460.63	90.20	
NC164	371.21	0.03500	459.58	88.37		NC210	371.27	0.03500	460.66	89.39	
NC165	370.89	0.03500	459.61	88.72		NC211	372.16	0.03500	460.69	88.53	
NC166	370.57	0.03500	459.64	89.07		NC212	372.87	0.03500	460.71	87.84	
NC167	370.26	0.03500	459.67	89.41		NC213	373.26	0.01750	460.74	87.48	
NC168	369.93	0.03500	459.70	89.77		NC214	368.79	0.03500	460.48	91.69	
NC169	369.61	0.03500	459.73	90.12		NC215	369.58	0.03500	460.53	90.95	
NC170	369.29	0.03500	459.76	90.47		NC216	370.41	0.03500	460.58	90.17	
NC171	368.99	0.03500	459.79	90.80		NC217	371.22	0.03500	460.62	89.40	
NC172	369.01	0.51000	459.91	90.90		NC218	371.95	0.03500	460.67	88.72	
NC173	368.03	0.01750	459.63	91.60		NC219	372.42	0.01750	460.72	88.30	
NC174	367.80	0.03500	459.63	91.83		NC220	368.22	0.03500	460.45	92.23	
NC175	367.39	0.03500	459.63	92.24		NC221	368.88	0.03500	460.49	91.61	
NC176	366.97	0.03500	459.63	92.66		NC222	369.55	0.03500	460.54	90.99	
NC177	366.55	0.03500	459.63	93.08		NC223	370.25	0.03500	460.58	90.33	
NC178	366.13	0.03500	459.63	93.50		NC224	370.96	0.03500	460.62	89.66	
NC179	365.79	0.03500	459.63	93.84		NC225	371.63	0.03500	460.67	89.04	
NC180	365.78	0.31200	459.72	93.94		NC226	372.16	0.03500	460.71	88.55	
NC181	365.44	0.34200	459.67	94.23		NC227	372.52	0.03500	460.76	88.24	
NC182	365.09	0.01750	459.55	94.46		NC228	366.31	0.01750	460.65	94.34	
NC183	364.86	0.03500	459.55	94.69		NC229	366.81	0.03500	460.71	93.90	
NC184	364.45	0.03500	459.55	95.10		NC230	367.41	0.03500	460.77	93.36	
NC185	364.03	0.03500	459.55	95.52		NC231	368.03	0.03500	460.83	92.80	
NC186	363.60	0.03500	459.55	95.95		NC232	368.64	0.03500	460.90	92.26	
NC187	363.19	0.03500	459.55	96.36		NC233	369.25	0.03500	460.96	91.71	
NC188	362.95	0.03500	459.55	96.60		NC234	369.86	0.03500	461.03	91.17	
NC189	362.96	0.03500	459.55	96.59		NC235	370.47	0.03500	461.10	90.63	
NC190	372.76	0.01750	460.38	87.62		NC236	371.08	0.03500	461.17	90.09	
NC191	372.38	0.03500	460.46	88.08		NC237	366.11	0.03500	460.64	94.53	
NC192	370.71	0.31200	460.40	89.69		NC238	366.53	0.03500	460.70	94.17	
NC193	364.52	0.34200	460.25	95.73		NC239	367.07	0.03500	460.76	93.69	
NC194	372.86	0.03500	460.39	87.53		NC240	367.61	0.03500	460.81	93.20	
NC195	373.17	0.03500	460.57	87.40		NC241	368.14	0.03500	460.87	92.73	
NC196	373.32	0.03500	460.69	87.37		NC242	368.68	0.03500	460.93	92.25	
NC197	373.38	0.03500	460.81	87.43		NC243	369.22	0.03500	460.99	91.77	
NC198	373.24	0.03500	460.93	87.69		NC244	369.75	0.03500	461.05	91.30	
NC199	373.03	0.03500	460.97	87.94		NC245	370.30	0.03500	461.11	90.81	
NC200	371.84	0.03500	460.70	88.86		NC246	370.83	0.03500	461.17	90.34	
NC201	372.57	0.03500	460.88	88.31		NC247	371.28	0.03500	461.24	89.96	

NC248	371.56	0.03500	461.30	89.74		NT36	364.28	---	458.48	94.20	
NC249	365.25	0.03500	460.45	95.20		NT37	363.93	---	458.51	94.58	
NC250	365.57	0.03500	460.50	94.93		NT38	360.93	---	458.51	97.58	
NC251	365.80	0.03500	460.55	94.75		NT39	374.71	---	459.22	84.51	
NC252	366.04	0.03500	460.60	94.56		NT40	369.07	---	458.92	89.85	
NC253	366.49	0.03500	460.65	94.16		NT41	368.68	---	458.93	90.25	
NC254	366.49	0.03500	460.70	94.21		NT42	364.81	---	458.93	94.12	
NC255	366.72	0.03500	460.75	94.03		NT43	364.55	---	458.94	94.39	
NC256	366.95	0.03500	460.80	93.85		NT44	361.80	---	458.94	97.14	
NC257	367.17	0.03500	460.85	93.68		NT45	374.29	---	459.34	85.05	
NC258	367.41	0.03500	460.90	93.49		NT47	368.48	---	459.09	90.61	
NC259	367.80	0.03500	460.96	93.16		NT48	365.04	---	459.14	94.10	
NC260	368.43	0.03500	461.01	92.58		NT49	364.69	---	459.05	94.36	
NC261	369.82	0.03500	461.09	91.27		NT50	362.04	---	459.05	97.01	
NC262	373.66	0.03500	461.22	87.56		NT51	372.52	---	459.51	86.99	
NC263	371.40	0.51000	459.54	88.14		NT52	368.73	---	459.82	91.09	
NT2	372.45	---	458.73	86.28		NT53	368.27	---	459.63	91.36	
NT3	372.01	---	458.08	86.07		NT54	365.56	---	459.63	94.07	
NT4	371.07	---	458.02	86.95		NT55	365.31	---	459.55	94.24	
NT5	368.26	---	457.86	89.60		NT56	363.10	---	459.55	96.45	
NT6	367.91	---	457.85	89.94		NT57	371.55	---	459.50	87.95	
NT9	369.42	---	459.08	89.66		NT58	371.47	---	459.54	88.07	
NT10	369.45	---	458.99	89.54		NT59	372.97	---	460.13	87.16	
NT12	367.77	---	458.18	90.41		NT60	371.59	---	460.53	88.94	
NT13	367.69	---	458.08	90.39		NT61	371.24	---	460.55	89.31	
NT14	367.05	---	458.06	91.01		NT62	369.53	---	460.59	91.06	
NT15	364.66	---	457.98	93.32		NT63	369.37	---	460.58	91.21	
NT16	364.63	---	457.97	93.34		NT64	367.72	---	460.42	92.70	
NT17	362.43	---	457.96	95.53		NT65	367.34	---	460.42	93.08	
NT18	369.57	---	459.06	89.49		NT66	366.13	---	460.60	94.47	
NT19	369.11	---	458.98	89.87		NT67	365.80	---	460.60	94.80	
NT21	366.90	---	458.34	91.44		NT68	364.78	---	460.39	95.61	
NT22	366.90	---	458.10	91.20		NT69	373.66	---	461.26	87.60	
NT23	366.94	---	458.09	91.15		NT70	373.77	---	461.23	87.46	
NT24	363.87	---	458.10	94.23		NT71	373.51	---	460.78	87.27	
NT25	363.65	---	458.11	94.46		NT72	373.49	---	460.75	87.26	
NT26	361.91	---	458.18	96.27		NT73	372.87	---	460.75	87.88	
NT27	374.14	---	459.04	84.90		NT74	372.68	---	460.78	88.10	
NT28	369.37	---	458.59	89.22		NT75	371.82	---	461.27	89.45	
NT29	368.89	---	458.38	89.49		NT76	371.53	---	461.33	89.80	
NT30	364.10	---	458.39	94.29		NT80	371.67	---	461.41	89.74	
NT31	363.75	---	458.39	94.64		NT81	373.72	---	461.74	88.02	
NT32	360.83	---	458.39	97.56		NT97	374.35	---	459.07	84.72	
NT33	374.61	---	459.04	84.43		SG1	374.00	-73.80679	464.00	90.00	
NT34	369.37	---	458.74	89.37		SG2	371.68	-21.18817	461.68	90.00	
NT35	369.06	---	458.48	89.42		SG3	372.50	-32.29774	462.50	90.00	

SG4	371.00	-34.05528	461.00	90.00	
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Combinación: H6+H10

Nudo	Cota m	Caudal dem. l/s	Alt. piez. m.c.a.	Pre. disp. m.c.a.	Coment.
BR39	364.92	0.00000	458.21	93.29	
BR48	366.95	0.00000	458.47	91.52	
BR52	364.07	0.00000	458.28	94.21	
BR64	365.00	2.50000	458.48	93.48	
BR65	366.77	0.00000	458.49	91.72	
BR88	365.71	0.00000	458.82	93.11	
BR89	367.02	0.00000	458.82	91.80	
BR92	370.26	0.00000	458.96	88.70	
BR93	371.68	0.00000	459.06	87.38	
BR99	372.39	0.00000	459.60	87.21	
BR107	365.38	0.00000	459.48	94.10	
BR115	369.55	0.00000	459.70	90.15	
H1	372.62	0.00000	459.18	86.56	
H2	368.64	0.00000	458.13	89.49	
H3	364.62	0.00000	458.01	93.39	
H4	369.25	0.00000	459.36	90.11	
H5	372.86	0.00000	459.26	86.40	
H6	368.22	16.60000	457.85	89.63	
H7	363.62	0.00000	458.41	94.79	
H8	361.47	0.00000	458.77	97.30	
H9	371.64	0.00000	459.62	87.98	
H10	369.83	16.60000	458.96	89.13	
H11	367.02	0.00000	460.02	93.00	
H12	373.31	0.00000	460.83	87.52	
H13	365.67	0.00000	460.39	94.72	
H14	372.42	0.00000	460.82	88.40	
NC1	372.76	0.28000	459.07	86.31	
NC2	372.81	0.28000	459.01	86.20	
NC3	372.67	0.28000	458.82	86.15	
NC4	372.40	0.28000	458.73	86.33	
NC5	370.61	0.66500	458.38	87.77	
NC6	370.12	0.66500	458.30	88.18	
NC7	369.56	0.66500	458.21	88.65	
NC8	369.10	0.66500	458.15	89.05	
NC9	367.53	0.82250	458.07	90.54	
NC10	365.75	0.82250	458.02	92.27	
NC11	365.44	0.82250	458.02	92.58	
NC12	364.46	0.82250	458.01	93.55	
NC13	364.41	0.82250	458.01	93.60	
NC14	363.64	0.82250	458.03	94.39	

NC15	363.47	0.82250	458.03	94.56
NC16	362.60	0.82250	458.10	95.50
NC17	370.49	7.00000	460.54	90.05
NC18	369.40	7.00000	459.88	90.48
NC19	371.64	7.00000	459.36	87.72
NC20	369.92	7.00000	459.38	89.46
NC21	371.44	0.28000	459.30	87.86
NC22	370.40	0.28000	459.31	88.91
NC23	370.25	0.28000	459.32	89.07
NC24	369.25	0.28000	459.34	90.09
NC25	369.39	0.28000	459.30	89.91
NC26	367.78	0.28000	458.98	91.20
NC27	367.68	0.28000	458.93	91.25
NC28	367.61	0.28000	458.76	91.15
NC29	371.65	0.28000	458.65	87.00
NC30	369.33	0.28000	458.65	89.32
NC31	368.80	0.28000	458.65	89.85
NC32	367.62	0.28000	458.65	91.03
NC33	370.42	0.66500	458.46	88.04
NC34	368.68	0.66500	458.46	89.78
NC35	368.20	0.66500	458.46	90.26
NC36	367.63	0.66500	458.46	90.83
NC37	367.41	0.66500	458.34	90.93
NC38	365.81	0.66500	458.25	92.44
NC39	365.45	0.66500	458.24	92.79
NC40	364.38	0.66500	458.19	93.81
NC41	367.94	0.66500	458.12	90.18
NC42	366.13	0.66500	458.13	92.00
NC43	365.82	0.66500	458.13	92.31
NC44	364.83	0.66500	458.17	93.34
NC45	367.31	0.82250	458.09	90.78
NC46	365.83	0.82250	458.10	92.27
NC47	365.61	0.82250	458.11	92.50
NC48	364.62	0.82250	458.16	93.54
NC49	364.50	0.82250	458.17	93.67
NC50	363.04	0.82250	458.14	95.10
NC51	362.80	0.82250	458.14	95.34
NC52	362.24	0.82250	458.14	95.90
NC53	368.81	0.57750	459.20	90.39
NC54	367.69	0.57750	458.96	91.27
NC55	367.63	0.57750	458.93	91.30
NC56	367.66	0.57750	458.78	91.12
NC57	366.80	0.57750	458.52	91.72
NC58	365.84	0.42000	458.29	92.45
NC59	364.23	0.42000	458.28	94.05
NC60	363.94	0.42000	458.28	94.34

NC61	363.25	0.73500	458.28	95.03	Pres. min.	NC107	363.43	0.03500	458.55	95.12	
NC62	369.84	10.00000	459.34	89.50		NC108	362.99	0.03500	458.55	95.56	
NC63	372.47	10.00000	459.33	86.86		NC109	362.48	0.03500	458.55	96.07	
NC64	374.12	10.00000	459.33	85.21		NC110	361.95	0.03500	458.55	96.60	
NC65	374.94	7.00000	459.37	84.43		NC111	361.44	0.03500	458.55	97.11	
NC66	372.11	7.00000	459.51	87.40		NC112	361.41	0.03500	458.55	97.14	
NC67	371.49	0.15000	459.55	88.06		NC113	361.17	0.03500	458.55	97.38	
NC68	369.53	0.57750	459.26	89.73		NC114	361.16	0.01750	458.55	97.39	
NC69	371.51	0.57750	459.25	87.74		NC115	374.07	0.03500	459.25	85.18	
NC70	371.87	0.57750	459.25	87.38		NC116	373.47	0.03500	459.20	85.73	
NC71	373.84	0.57750	459.27	85.43		NC117	372.76	0.03500	459.14	86.38	
NC72	366.55	0.57750	458.54	91.99		NC118	372.06	0.03500	459.09	87.03	
NC73	366.68	0.57750	458.56	91.88		NC119	371.35	0.03500	459.04	87.69	
NC74	368.91	0.57750	458.65	89.74		NC120	370.64	0.03500	458.98	88.34	
NC75	366.60	0.42000	458.24	91.64		NC121	369.95	0.03500	458.93	88.98	
NC76	366.49	0.42000	458.10	91.61		NC122	369.45	0.03500	458.88	89.43	
NC77	367.84	0.42000	457.89	90.05		NC123	368.44	0.01750	458.82	90.38	
NC78	368.65	0.42000	458.18	89.53		NC124	368.13	0.03500	458.82	90.69	
NC79	363.44	0.42000	458.29	94.85		NC125	367.52	0.03500	458.82	91.30	
NC80	363.39	0.42000	458.37	94.98		NC126	366.86	0.03500	458.82	91.96	
NC81	363.78	0.42000	458.42	94.64		NC127	366.19	0.03500	458.82	92.63	
NC82	363.33	0.73500	458.35	95.02		NC128	365.57	0.03500	458.82	93.25	
NC83	373.71	0.57750	459.15	85.44		NC129	365.15	0.03500	458.82	93.67	
NC84	371.54	0.57750	458.89	87.35		NC130	364.36	0.03500	458.86	94.50	
NC85	370.98	0.57750	458.84	87.86		NC131	363.90	0.03500	458.86	94.96	
NC86	369.51	0.57750	458.70	89.19		NC132	363.34	0.03500	458.86	95.52	
NC87	367.98	0.42000	458.44	90.46		NC133	362.78	0.03500	458.86	96.08	
NC88	366.92	0.42000	458.44	91.52		NC134	362.22	0.03500	458.87	96.65	
NC89	365.58	0.42000	458.44	92.86		NC135	361.81	0.03500	458.87	97.06	
NC90	364.80	0.42000	458.44	93.64		NC136	361.66	0.03500	458.87	97.21	
NC91	363.14	0.73500	458.45	95.31		NC137	361.73	0.01750	458.87	97.14	
NC92	374.21	0.01750	459.23	85.02		NC138	374.31	0.03500	459.43	85.12	
NC93	373.97	0.03500	459.19	85.22		NC139	373.90	0.03500	459.45	85.55	
NC94	373.42	0.03500	459.13	85.71		NC140	373.30	0.03500	459.48	86.18	
NC95	372.65	0.03500	459.07	86.42		NC141	372.59	0.03500	459.50	86.91	
NC96	371.84	0.03500	459.01	87.17		NC142	371.90	0.03500	459.53	87.63	
NC97	371.03	0.03500	458.95	87.92		NC143	371.20	0.03500	459.55	88.35	
NC98	370.24	0.03500	458.89	88.65		NC144	370.48	0.03500	459.57	89.09	
NC99	369.67	0.03500	458.84	89.17		NC145	369.79	0.03500	459.60	89.81	
NC100	368.62	0.01750	458.50	89.88		NC146	369.27	0.03500	459.63	90.36	
NC101	368.27	0.03500	458.50	90.23		NC147	368.30	0.01750	458.86	90.56	
NC102	367.51	0.03500	458.49	90.98		NC148	367.96	0.03500	458.87	90.91	
NC103	366.64	0.03500	458.49	91.85		NC149	367.36	0.03500	458.87	91.51	
NC104	365.74	0.03500	458.49	92.75		NC150	366.70	0.03500	458.88	92.18	
NC105	364.88	0.03500	458.49	93.61		NC151	366.03	0.03500	458.89	92.86	
NC106	364.27	0.03500	458.50	94.23		NC152	365.39	0.03500	458.90	93.51	

NC153	364.97	0.03500	458.90	93.93	Pres. máx.	NC199	373.03	0.03500	460.73	87.70	
NC154	364.29	0.01750	458.97	94.68		NC200	371.84	0.03500	460.31	88.47	
NC155	363.98	0.03500	458.97	94.99		NC201	372.57	0.03500	460.54	87.97	
NC156	363.46	0.03500	458.97	95.51		NC202	373.22	0.03500	460.78	87.56	
NC157	362.89	0.03500	458.97	96.08		NC203	373.77	0.03500	461.01	87.24	
NC158	362.33	0.03500	458.97	96.64		NC204	370.52	0.03500	460.33	89.81	
NC159	361.81	0.03500	458.97	97.16		NC205	371.56	0.03500	460.38	88.82	
NC160	361.53	0.03500	458.97	97.44		NC206	372.55	0.03500	460.43	87.88	
NC161	361.49	0.03500	458.97	97.48		NC207	373.27	0.03500	460.48	87.21	
NC162	371.80	0.01750	459.60	87.80		NC208	369.71	0.03500	460.29	90.58	
NC163	371.53	0.03500	459.61	88.08		NC209	370.43	0.03500	460.33	89.90	
NC164	371.21	0.03500	459.62	88.41		NC210	371.27	0.03500	460.37	89.10	
NC165	370.89	0.03500	459.64	88.75		NC211	372.16	0.03500	460.41	88.25	
NC166	370.57	0.03500	459.65	89.08		NC212	372.87	0.03500	460.45	87.58	
NC167	370.26	0.03500	459.66	89.40		NC213	373.26	0.01750	460.48	87.22	
NC168	369.93	0.03500	459.68	89.75		NC214	368.79	0.03500	460.22	91.43	
NC169	369.61	0.03500	459.69	90.08		NC215	369.58	0.03500	460.27	90.69	
NC170	369.29	0.03500	459.71	90.42		NC216	370.41	0.03500	460.32	89.91	
NC171	368.99	0.03500	459.72	90.73		NC217	371.22	0.03500	460.37	89.15	
NC172	369.01	0.51000	459.79	90.78		NC218	371.95	0.03500	460.42	88.47	
NC173	368.03	0.01750	458.97	90.94		NC219	372.42	0.01750	460.47	88.05	
NC174	367.80	0.03500	458.99	91.19		NC220	368.22	0.03500	460.21	91.99	
NC175	367.39	0.03500	459.02	91.63		NC221	368.88	0.03500	460.25	91.37	
NC176	366.97	0.03500	459.05	92.08		NC222	369.55	0.03500	460.30	90.75	
NC177	366.55	0.03500	459.08	92.53		NC223	370.25	0.03500	460.34	90.09	
NC178	366.13	0.03500	459.11	92.98		NC224	370.96	0.03500	460.39	89.43	
NC179	365.79	0.03500	459.14	93.35		NC225	371.63	0.03500	460.43	88.80	
NC180	365.78	0.31200	459.28	93.50		NC226	372.16	0.03500	460.48	88.32	
NC181	365.44	0.34200	459.52	94.08		NC227	372.52	0.03500	460.53	88.01	
NC182	365.09	0.01750	459.43	94.34		NC228	366.31	0.01750	460.49	94.18	
NC183	364.86	0.03500	459.43	94.57		NC229	366.81	0.03500	460.56	93.75	
NC184	364.45	0.03500	459.43	94.98		NC230	367.41	0.03500	460.63	93.22	
NC185	364.03	0.03500	459.43	95.40		NC231	368.03	0.03500	460.70	92.67	
NC186	363.60	0.03500	459.43	95.83		NC232	368.64	0.03500	460.77	92.13	
NC187	363.19	0.03500	459.43	96.24		NC233	369.25	0.03500	460.85	91.60	
NC188	362.95	0.03500	459.43	96.48		NC234	369.86	0.03500	460.92	91.06	
NC189	362.96	0.03500	459.43	96.47		NC235	370.47	0.03500	461.00	90.53	
NC190	372.76	0.01750	460.13	87.37		NC236	371.08	0.03500	461.07	89.99	
NC191	372.38	0.03500	460.15	87.77		NC237	366.11	0.03500	460.49	94.38	
NC192	370.71	0.31200	459.59	88.88		NC238	366.53	0.03500	460.55	94.02	
NC193	364.52	0.34200	460.12	95.60		NC239	367.07	0.03500	460.62	93.55	
NC194	372.86	0.03500	460.30	87.44		NC240	367.61	0.03500	460.68	93.07	
NC195	373.17	0.03500	460.46	87.29		NC241	368.14	0.03500	460.75	92.61	
NC196	373.32	0.03500	460.57	87.25		NC242	368.68	0.03500	460.81	92.13	
NC197	373.38	0.03500	460.67	87.29		NC243	369.22	0.03500	460.88	91.66	
NC198	373.24	0.03500	460.78	87.54		NC244	369.75	0.03500	460.95	91.20	

NC245	370.30	0.03500	461.02	90.72		NT33	374.61	---	459.26	84.65	
NC246	370.83	0.03500	461.09	90.26		NT34	369.37	---	458.79	89.42	
NC247	371.28	0.03500	461.17	89.89		NT35	369.06	---	458.50	89.44	
NC248	371.56	0.03500	461.24	89.68		NT36	364.28	---	458.50	94.22	
NC249	365.25	0.03500	460.32	95.07		NT37	363.93	---	458.55	94.62	
NC250	365.57	0.03500	460.37	94.80		NT38	360.93	---	458.55	97.62	
NC251	365.80	0.03500	460.42	94.62		NT39	374.71	---	459.32	84.61	
NC252	366.04	0.03500	460.48	94.44		NT40	369.07	---	458.84	89.77	
NC253	366.49	0.03500	460.53	94.04		NT41	368.68	---	458.82	90.14	
NC254	366.49	0.03500	460.58	94.09		NT42	364.81	---	458.82	94.01	
NC255	366.72	0.03500	460.64	93.92		NT43	364.55	---	458.86	94.31	
NC256	366.95	0.03500	460.69	93.74		NT44	361.80	---	458.88	97.08	
NC257	367.17	0.03500	460.75	93.58		NT45	374.29	---	459.42	85.13	
NC258	367.41	0.03500	460.81	93.40		NT47	368.48	---	458.86	90.38	
NC259	367.80	0.03500	460.87	93.07		NT48	365.04	---	458.91	93.87	
NC260	368.43	0.03500	460.93	92.50		NT49	364.69	---	458.97	94.28	
NC261	369.82	0.03500	461.02	91.20		NT50	362.04	---	458.97	96.93	
NC262	373.66	0.03500	461.04	87.38		NT51	372.52	---	459.59	87.07	
NC263	371.40	0.51000	459.67	88.27		NT52	368.73	---	459.74	91.01	
NT2	372.45	---	459.30	86.85		NT53	368.27	---	458.96	90.69	
NT3	372.01	---	458.65	86.64		NT54	365.56	---	459.16	93.60	
NT4	371.07	---	458.46	87.39		NT55	365.31	---	459.43	94.12	
NT5	368.26	---	458.12	89.86		NT56	363.10	---	459.43	96.33	
NT6	367.91	---	458.09	90.18		NT57	371.55	---	459.66	88.11	
NT9	369.42	---	459.40	89.98		NT58	371.47	---	459.67	88.20	
NT10	369.45	---	459.35	89.90		NT59	372.97	---	460.06	87.09	
NT12	367.77	---	458.65	90.88		NT60	371.59	---	460.17	88.58	
NT13	367.69	---	458.47	90.78		NT61	371.24	---	460.12	88.88	
NT14	367.05	---	458.31	91.26		NT62	369.53	---	460.26	90.73	
NT15	364.66	---	458.19	93.53		NT63	369.37	---	460.26	90.89	
NT16	364.63	---	458.18	93.55		NT64	367.72	---	460.15	92.43	
NT17	362.43	---	458.15	95.72		NT65	367.34	---	460.17	92.83	
NT18	369.57	---	459.36	89.79		NT66	366.13	---	460.43	94.30	
NT19	369.11	---	459.26	90.15		NT67	365.80	---	460.43	94.63	
NT21	366.90	---	458.52	91.62		NT68	364.78	---	460.25	95.47	
NT22	366.90	---	458.31	91.41		NT69	373.66	---	461.09	87.43	
NT23	366.94	---	458.31	91.37		NT70	373.77	---	461.01	87.24	
NT24	363.87	---	458.28	94.41		NT71	373.51	---	460.52	87.01	
NT25	363.65	---	458.28	94.63		NT72	373.49	---	460.50	87.01	
NT26	361.91	---	458.31	96.40		NT73	372.87	---	460.50	87.63	
NT27	374.14	---	459.27	85.13		NT74	372.68	---	460.55	87.87	
NT28	369.37	---	458.67	89.30		NT75	371.82	---	461.19	89.37	
NT29	368.89	---	458.44	89.55		NT76	371.53	---	461.27	89.74	
NT30	364.10	---	458.45	94.35		NT80	371.67	---	461.36	89.69	
NT31	363.75	---	458.46	94.71		NT81	373.72	---	461.62	87.90	
NT32	360.83	---	458.45	97.62		NT97	374.35	---	459.33	84.98	

SG1	374.00	-71.23966	464.00	90.00	
SG2	371.68	-23.18494	461.68	90.00	
SG3	372.50	-34.91338	462.50	90.00	
SG4	371.00	-32.01000	461.00	90.00	

Combinación: H10+H12

Nudo	Cota m	Caudal dem. l/s	Alt. piez. m.c.a.	Pre. disp. m.c.a.	Coment.
BR39	364.92	0.00000	458.85	93.93	
BR48	366.95	0.00000	459.12	92.17	
BR52	364.07	0.00000	458.92	94.85	
BR64	365.00	2.50000	459.11	94.11	
BR65	366.77	0.00000	459.13	92.36	
BR88	365.71	0.00000	459.29	93.58	
BR89	367.02	0.00000	459.28	92.26	
BR92	370.26	0.00000	459.35	89.09	
BR93	371.68	0.00000	459.40	87.72	
BR99	372.39	0.00000	459.67	87.28	
BR107	365.38	0.00000	459.81	94.43	
BR115	369.55	0.00000	459.75	90.20	
H1	372.62	0.00000	459.45	86.83	
H2	368.64	0.00000	458.73	90.09	
H3	364.62	0.00000	458.63	94.01	
H4	369.25	0.00000	459.55	90.30	
H5	372.86	0.00000	459.48	86.62	
H6	368.22	0.00000	459.12	90.90	
H7	363.62	0.00000	459.03	95.41	
H8	361.47	0.00000	459.28	97.81	
H9	371.64	0.00000	459.69	88.05	
H10	369.83	16.60000	459.23	89.40	
H11	367.02	0.00000	460.20	93.18	
H12	373.31	16.60000	459.57	86.26	
H13	365.67	0.00000	460.55	94.88	
H14	372.42	0.00000	460.88	88.46	
NC1	372.76	0.28000	459.38	86.62	
NC2	372.81	0.28000	459.34	86.53	
NC3	372.67	0.28000	459.21	86.54	
NC4	372.40	0.28000	459.15	86.75	
NC5	370.61	0.66500	458.92	88.31	
NC6	370.12	0.66500	458.86	88.74	
NC7	369.56	0.66500	458.79	89.23	
NC8	369.10	0.66500	458.75	89.65	
NC9	367.53	0.82250	458.69	91.16	
NC10	365.75	0.82250	458.64	92.89	
NC11	365.44	0.82250	458.63	93.19	

NC12	364.46	0.82250	458.63	94.17	
NC13	364.41	0.82250	458.63	94.22	
NC14	363.64	0.82250	458.65	95.01	
NC15	363.47	0.82250	458.65	95.18	
NC16	362.60	0.82250	458.72	96.12	
NC17	370.49	7.00000	460.69	90.20	
NC18	369.40	7.00000	460.05	90.65	
NC19	371.64	7.00000	459.56	87.92	
NC20	369.92	7.00000	459.58	89.66	
NC21	371.44	0.28000	459.53	88.09	
NC22	370.40	0.28000	459.54	89.14	
NC23	370.25	0.28000	459.54	89.29	
NC24	369.25	0.28000	459.56	90.31	
NC25	369.39	0.28000	459.53	90.14	
NC26	367.78	0.28000	459.32	91.54	
NC27	367.68	0.28000	459.29	91.61	
NC28	367.61	0.28000	459.18	91.57	
NC29	371.65	0.28000	459.11	87.46	
NC30	369.33	0.28000	459.11	89.78	
NC31	368.80	0.28000	459.11	90.31	
NC32	367.62	0.28000	459.11	91.49	
NC33	370.42	0.66500	458.98	88.56	
NC34	368.68	0.66500	458.98	90.30	
NC35	368.20	0.66500	458.99	90.79	
NC36	367.63	0.66500	459.01	91.38	
NC37	367.41	0.66500	458.98	91.57	
NC38	365.81	0.66500	458.90	93.09	
NC39	365.45	0.66500	458.89	93.44	
NC40	364.38	0.66500	458.83	94.45	
NC41	367.94	0.66500	458.73	90.79	
NC42	366.13	0.66500	458.74	92.61	
NC43	365.82	0.66500	458.75	92.93	
NC44	364.83	0.66500	458.80	93.97	
NC45	367.31	0.82250	458.71	91.40	
NC46	365.83	0.82250	458.72	92.89	
NC47	365.61	0.82250	458.72	93.11	
NC48	364.62	0.82250	458.79	94.17	
NC49	364.50	0.82250	458.79	94.29	
NC50	363.04	0.82250	458.77	95.73	
NC51	362.80	0.82250	458.77	95.97	
NC52	362.24	0.82250	458.77	96.53	
NC53	368.81	0.57750	459.46	90.65	
NC54	367.69	0.57750	459.33	91.64	
NC55	367.63	0.57750	459.32	91.69	
NC56	367.66	0.57750	459.25	91.59	
NC57	366.80	0.57750	459.14	92.34	

NC58	365.84	0.42000	458.98	93.14	Pres. min.	NC104	365.74	0.03500	459.12	93.38	Pres. máx.
NC59	364.23	0.42000	458.93	94.70		NC105	364.88	0.03500	459.11	94.23	
NC60	363.94	0.42000	458.92	94.98		NC106	364.27	0.03500	459.11	94.84	
NC61	363.25	0.73500	458.91	95.66		NC107	363.43	0.03500	459.13	95.70	
NC62	369.84	10.00000	459.53	89.69		NC108	362.99	0.03500	459.13	96.14	
NC63	372.47	10.00000	459.51	87.04		NC109	362.48	0.03500	459.13	96.65	
NC64	374.12	10.00000	459.51	85.39		NC110	361.95	0.03500	459.13	97.18	
NC65	374.94	7.00000	459.53	84.59		NC111	361.44	0.03500	459.13	97.69	
NC66	372.11	7.00000	459.61	87.50		NC112	361.41	0.03500	459.13	97.72	
NC67	371.49	0.15000	459.64	88.15		NC113	361.17	0.03500	459.13	97.96	
NC68	369.53	0.57750	459.48	89.95		NC114	361.16	0.01750	459.13	97.97	
NC69	371.51	0.57750	459.47	87.96		NC115	374.07	0.03500	459.49	85.42	
NC70	371.87	0.57750	459.47	87.60		NC116	373.47	0.03500	459.46	85.99	
NC71	373.84	0.57750	459.48	85.64		NC117	372.76	0.03500	459.44	86.68	
NC72	366.55	0.57750	459.15	92.60		NC118	372.06	0.03500	459.41	87.35	
NC73	366.68	0.57750	459.16	92.48		NC119	371.35	0.03500	459.39	88.04	
NC74	368.91	0.57750	459.21	90.30		NC120	370.64	0.03500	459.36	88.72	
NC75	366.60	0.42000	459.07	92.47		NC121	369.95	0.03500	459.34	89.39	
NC76	366.49	0.42000	459.08	92.59		NC122	369.45	0.03500	459.31	89.86	
NC77	367.84	0.42000	459.12	91.28		NC123	368.44	0.01750	459.28	90.84	
NC78	368.65	0.42000	459.14	90.49		NC124	368.13	0.03500	459.28	91.15	
NC79	363.44	0.42000	458.93	95.49		NC125	367.52	0.03500	459.28	91.76	
NC80	363.39	0.42000	459.00	95.61		NC126	366.86	0.03500	459.29	92.43	
NC81	363.78	0.42000	459.04	95.26		NC127	366.19	0.03500	459.29	93.10	
NC82	363.33	0.73500	458.98	95.65		NC128	365.57	0.03500	459.29	93.72	
NC83	373.71	0.57750	459.42	85.71		NC129	365.15	0.03500	459.29	94.14	
NC84	371.54	0.57750	459.30	87.76		NC130	364.36	0.03500	459.34	94.98	
NC85	370.98	0.57750	459.28	88.30		NC131	363.90	0.03500	459.34	95.44	
NC86	369.51	0.57750	459.23	89.72		NC132	363.34	0.03500	459.34	96.00	
NC87	367.98	0.42000	459.12	91.14		NC133	362.78	0.03500	459.34	96.56	
NC88	366.92	0.42000	459.10	92.18		NC134	362.22	0.03500	459.35	97.13	
NC89	365.58	0.42000	459.09	93.51		NC135	361.81	0.03500	459.35	97.54	
NC90	364.80	0.42000	459.08	94.28		NC136	361.66	0.03500	459.35	97.69	
NC91	363.14	0.73500	459.07	95.93		NC137	361.73	0.01750	459.35	97.62	
NC92	374.21	0.01750	459.47	85.26		NC138	374.31	0.03500	459.59	85.28	
NC93	373.97	0.03500	459.45	85.48		NC139	373.90	0.03500	459.60	85.70	
NC94	373.42	0.03500	459.42	86.00		NC140	373.30	0.03500	459.61	86.31	
NC95	372.65	0.03500	459.39	86.74		NC141	372.59	0.03500	459.63	87.04	
NC96	371.84	0.03500	459.37	87.53		NC142	371.90	0.03500	459.64	87.74	
NC97	371.03	0.03500	459.34	88.31		NC143	371.20	0.03500	459.66	88.46	
NC98	370.24	0.03500	459.32	89.08		NC144	370.48	0.03500	459.67	89.19	
NC99	369.67	0.03500	459.29	89.62		NC145	369.79	0.03500	459.69	89.90	
NC100	368.62	0.01750	459.16	90.54		NC146	369.27	0.03500	459.71	90.44	
NC101	368.27	0.03500	459.15	90.88		NC147	368.30	0.01750	459.29	90.99	
NC102	367.51	0.03500	459.14	91.63		NC148	367.96	0.03500	459.30	91.34	
NC103	366.64	0.03500	459.13	92.49		NC149	367.36	0.03500	459.31	91.95	

NC150	366.70	0.03500	459.31	92.61
NC151	366.03	0.03500	459.32	93.29
NC152	365.39	0.03500	459.33	93.94
NC153	364.97	0.03500	459.33	94.36
NC154	364.29	0.01750	459.42	95.13
NC155	363.98	0.03500	459.42	95.44
NC156	363.46	0.03500	459.42	95.96
NC157	362.89	0.03500	459.42	96.53
NC158	362.33	0.03500	459.42	97.09
NC159	361.81	0.03500	459.42	97.61
NC160	361.53	0.03500	459.42	97.89
NC161	361.49	0.03500	459.43	97.94
NC162	371.80	0.01750	459.68	87.88
NC163	371.53	0.03500	459.69	88.16
NC164	371.21	0.03500	459.70	88.49
NC165	370.89	0.03500	459.70	88.81
NC166	370.57	0.03500	459.71	89.14
NC167	370.26	0.03500	459.72	89.46
NC168	369.93	0.03500	459.73	89.80
NC169	369.61	0.03500	459.74	90.13
NC170	369.29	0.03500	459.76	90.47
NC171	368.99	0.03500	459.77	90.78
NC172	369.01	0.51000	459.81	90.80
NC173	368.03	0.01750	459.31	91.28
NC174	367.80	0.03500	459.33	91.53
NC175	367.39	0.03500	459.36	91.97
NC176	366.97	0.03500	459.39	92.42
NC177	366.55	0.03500	459.42	92.87
NC178	366.13	0.03500	459.45	93.32
NC179	365.79	0.03500	459.48	93.69
NC180	365.78	0.31200	459.60	93.82
NC181	365.44	0.34200	459.84	94.40
NC182	365.09	0.01750	459.77	94.68
NC183	364.86	0.03500	459.77	94.91
NC184	364.45	0.03500	459.77	95.32
NC185	364.03	0.03500	459.77	95.74
NC186	363.60	0.03500	459.77	96.17
NC187	363.19	0.03500	459.77	96.58
NC188	362.95	0.03500	459.77	96.82
NC189	362.96	0.03500	459.77	96.81
NC190	372.76	0.01750	459.94	87.18
NC191	372.38	0.03500	460.01	87.63
NC192	370.71	0.31200	459.69	88.98
NC193	364.52	0.34200	460.32	95.80
NC194	372.86	0.03500	459.67	86.81
NC195	373.17	0.03500	459.64	86.47

NC196	373.32	0.03500	459.62	86.30
NC197	373.38	0.03500	459.60	86.22
NC198	373.24	0.03500	459.58	86.34
NC199	373.03	0.03500	460.40	87.37
NC200	371.84	0.03500	460.26	88.42
NC201	372.57	0.03500	460.48	87.91
NC202	373.22	0.03500	460.70	87.48
NC203	373.77	0.03500	460.92	87.15
NC204	370.52	0.03500	460.37	89.85
NC205	371.56	0.03500	460.42	88.86
NC206	372.55	0.03500	460.47	87.92
NC207	373.27	0.03500	460.51	87.24
NC208	369.71	0.03500	460.34	90.63
NC209	370.43	0.03500	460.38	89.95
NC210	371.27	0.03500	460.41	89.14
NC211	372.16	0.03500	460.45	88.29
NC212	372.87	0.03500	460.49	87.62
NC213	373.26	0.01750	460.52	87.26
NC214	368.79	0.03500	460.32	91.53
NC215	369.58	0.03500	460.36	90.78
NC216	370.41	0.03500	460.40	89.99
NC217	371.22	0.03500	460.45	89.23
NC218	371.95	0.03500	460.49	88.54
NC219	372.42	0.01750	460.53	88.11
NC220	368.22	0.03500	460.34	92.12
NC221	368.88	0.03500	460.37	91.49
NC222	369.55	0.03500	460.41	90.86
NC223	370.25	0.03500	460.44	90.19
NC224	370.96	0.03500	460.48	89.52
NC225	371.63	0.03500	460.52	88.89
NC226	372.16	0.03500	460.55	88.39
NC227	372.52	0.03500	460.59	88.07
NC228	366.31	0.01750	460.61	94.30
NC229	366.81	0.03500	460.67	93.86
NC230	367.41	0.03500	460.73	93.32
NC231	368.03	0.03500	460.80	92.77
NC232	368.64	0.03500	460.86	92.22
NC233	369.25	0.03500	460.93	91.68
NC234	369.86	0.03500	460.99	91.13
NC235	370.47	0.03500	461.06	90.59
NC236	371.08	0.03500	461.13	90.05
NC237	366.11	0.03500	460.61	94.50
NC238	366.53	0.03500	460.67	94.14
NC239	367.07	0.03500	460.73	93.66
NC240	367.61	0.03500	460.79	93.18
NC241	368.14	0.03500	460.84	92.70

NC242	368.68	0.03500	460.90	92.22		NT30	364.10	---	459.07	94.97	
NC243	369.22	0.03500	460.96	91.74		NT31	363.75	---	459.07	95.32	
NC244	369.75	0.03500	461.03	91.28		NT32	360.83	---	459.06	98.23	
NC245	370.30	0.03500	461.09	90.79		NT33	374.61	---	459.48	84.87	
NC246	370.83	0.03500	461.15	90.32		NT34	369.37	---	459.27	89.90	
NC247	371.28	0.03500	461.22	89.94		NT35	369.06	---	459.17	90.11	
NC248	371.56	0.03500	461.28	89.72		NT36	364.28	---	459.11	94.83	
NC249	365.25	0.03500	460.48	95.23		NT37	363.93	---	459.13	95.20	
NC250	365.57	0.03500	460.53	94.96		NT38	360.93	---	459.13	98.20	
NC251	365.80	0.03500	460.57	94.77		NT39	374.71	---	459.52	84.81	
NC252	366.04	0.03500	460.62	94.58		NT40	369.07	---	459.29	90.22	
NC253	366.49	0.03500	460.67	94.18		NT41	368.68	---	459.28	90.60	
NC254	366.49	0.03500	460.71	94.22		NT42	364.81	---	459.29	94.48	
NC255	366.72	0.03500	460.76	94.04		NT43	364.55	---	459.34	94.79	
NC256	366.95	0.03500	460.81	93.86		NT44	361.80	---	459.36	97.56	
NC257	367.17	0.03500	460.86	93.69		NT45	374.29	---	459.58	85.29	
NC258	367.41	0.03500	460.91	93.50		NT47	368.48	---	459.29	90.81	
NC259	367.80	0.03500	460.96	93.16		NT48	365.04	---	459.34	94.30	
NC260	368.43	0.03500	461.01	92.58		NT49	364.69	---	459.42	94.73	
NC261	369.82	0.03500	461.09	91.27		NT50	362.04	---	459.43	97.39	
NC262	373.66	0.03500	460.58	86.92		NT51	372.52	---	459.67	87.15	
NC263	371.40	0.51000	459.71	88.31		NT52	368.73	---	459.78	91.05	
NT2	372.45	---	459.53	87.08		NT53	368.27	---	459.30	91.03	
NT3	372.01	---	459.11	87.10		NT54	365.56	---	459.50	93.94	
NT4	371.07	---	458.98	87.91		NT55	365.31	---	459.77	94.46	
NT5	368.26	---	458.73	90.47		NT56	363.10	---	459.78	96.68	
NT6	367.91	---	458.71	90.80		NT57	371.55	---	459.71	88.16	
NT9	369.42	---	459.60	90.18		NT58	371.47	---	459.71	88.24	
NT10	369.45	---	459.56	90.11		NT59	372.97	---	459.72	86.75	
NT12	367.77	---	459.11	91.34		NT60	371.59	---	460.08	88.49	
NT13	367.69	---	459.01	91.32		NT61	371.24	---	460.08	88.84	
NT14	367.05	---	458.98	91.93		NT62	369.53	---	460.31	90.78	
NT15	364.66	---	458.82	94.16		NT63	369.37	---	460.31	90.94	
NT16	364.63	---	458.80	94.17		NT64	367.72	---	460.27	92.55	
NT17	362.43	---	458.77	96.34		NT65	367.34	---	460.31	92.97	
NT18	369.57	---	459.55	89.98		NT66	366.13	---	460.56	94.43	
NT19	369.11	---	459.49	90.38		NT67	365.80	---	460.57	94.77	
NT21	366.90	---	459.14	92.24		NT68	364.78	---	460.43	95.65	
NT22	366.90	---	459.07	92.17		NT69	373.66	---	460.61	86.95	
NT23	366.94	---	459.02	92.08		NT70	373.77	---	460.93	87.16	
NT24	363.87	---	458.92	95.05		NT71	373.51	---	460.55	87.04	
NT25	363.65	---	458.91	95.26		NT72	373.49	---	460.54	87.05	
NT26	361.91	---	458.93	97.02		NT73	372.87	---	460.55	87.68	
NT27	374.14	---	459.48	85.34		NT74	372.68	---	460.61	87.93	
NT28	369.37	---	459.22	89.85		NT75	371.82	---	461.23	89.41	
NT29	368.89	---	459.16	90.27		NT76	371.53	---	461.31	89.78	

NT80	371.67	---	461.39	89.72	
NT81	373.72	---	461.45	87.73	
NT97	374.35	---	459.51	85.16	
SG1	374.00	-69.62670	464.00	90.00	
SG2	371.68	-22.04782	461.68	90.00	
SG3	372.50	-38.40060	462.50	90.00	
SG4	371.00	-31.27285	461.00	90.00	

Combinación: H9+H12

Nudo	Cota m	Caudal dem. l/s	Alt. piez. m.c.a.	Pre. disp. m.c.a.	Coment.
BR39	364.92	0.00000	458.87	93.95	
BR48	366.95	0.00000	459.11	92.16	
BR52	364.07	0.00000	458.96	94.89	
BR64	365.00	2.50000	459.18	94.18	
BR65	366.77	0.00000	459.19	92.42	
BR88	365.71	0.00000	459.43	93.72	
BR89	367.02	0.00000	459.42	92.40	
BR92	370.26	0.00000	459.34	89.08	
BR93	371.68	0.00000	459.33	87.65	
BR99	372.39	0.00000	459.11	86.72	
BR107	365.38	0.00000	459.95	94.57	
BR115	369.55	0.00000	459.49	89.94	
H1	372.62	0.00000	459.35	86.73	
H2	368.64	0.00000	458.74	90.10	
H3	364.62	0.00000	458.66	94.04	
H4	369.25	0.00000	459.42	90.17	
H5	372.86	0.00000	459.34	86.48	
H6	368.22	0.00000	459.15	90.93	
H7	363.62	0.00000	459.09	95.47	
H8	361.47	0.00000	459.38	97.91	
H9	371.64	16.60000	458.90	87.26	
H10	369.83	0.00000	460.23	90.40	
H11	367.02	0.00000	460.38	93.36	
H12	373.31	16.60000	459.52	86.21	
H13	365.67	0.00000	460.66	94.99	
H14	372.42	0.00000	461.00	88.58	
NC1	372.76	0.28000	459.29	86.53	
NC2	372.81	0.28000	459.25	86.44	
NC3	372.67	0.28000	459.15	86.48	
NC4	372.40	0.28000	459.10	86.70	
NC5	370.61	0.66500	458.90	88.29	
NC6	370.12	0.66500	458.85	88.73	
NC7	369.56	0.66500	458.79	89.23	
NC8	369.10	0.66500	458.76	89.66	

NC9	367.53	0.82250	458.70	91.17	
NC10	365.75	0.82250	458.66	92.91	
NC11	365.44	0.82250	458.66	93.22	
NC12	364.46	0.82250	458.65	94.19	
NC13	364.41	0.82250	458.66	94.25	
NC14	363.64	0.82250	458.67	95.03	
NC15	363.47	0.82250	458.68	95.21	
NC16	362.60	0.82250	458.75	96.15	
NC17	370.49	7.00000	460.60	90.11	
NC18	369.40	7.00000	459.95	90.55	
NC19	371.64	7.00000	459.45	87.81	
NC20	369.92	7.00000	459.47	89.55	
NC21	371.44	0.28000	459.42	87.98	
NC22	370.40	0.28000	459.42	89.02	
NC23	370.25	0.28000	459.42	89.17	
NC24	369.25	0.28000	459.45	90.20	
NC25	369.39	0.28000	459.42	90.03	
NC26	367.78	0.28000	459.24	91.46	
NC27	367.68	0.28000	459.22	91.54	
NC28	367.61	0.28000	459.12	91.51	
NC29	371.65	0.28000	459.06	87.41	
NC30	369.33	0.28000	459.06	89.73	
NC31	368.80	0.28000	459.06	90.26	
NC32	367.62	0.28000	459.06	91.44	
NC33	370.42	0.66500	458.95	88.53	
NC34	368.68	0.66500	458.96	90.28	
NC35	368.20	0.66500	458.96	90.76	
NC36	367.63	0.66500	458.98	91.35	
NC37	367.41	0.66500	458.97	91.56	
NC38	365.81	0.66500	458.90	93.09	
NC39	365.45	0.66500	458.89	93.44	
NC40	364.38	0.66500	458.85	94.47	
NC41	367.94	0.66500	458.74	90.80	
NC42	366.13	0.66500	458.76	92.63	
NC43	365.82	0.66500	458.77	92.95	
NC44	364.83	0.66500	458.82	93.99	
NC45	367.31	0.82250	458.72	91.41	
NC46	365.83	0.82250	458.74	92.91	
NC47	365.61	0.82250	458.74	93.13	
NC48	364.62	0.82250	458.81	94.19	
NC49	364.50	0.82250	458.82	94.32	
NC50	363.04	0.82250	458.80	95.76	
NC51	362.80	0.82250	458.80	96.00	
NC52	362.24	0.82250	458.80	96.56	
NC53	368.81	0.57750	459.35	90.54	
NC54	367.69	0.57750	459.25	91.56	

NC55	367.63	0.57750	459.24	91.61	Pres. min.	NC101	368.27	0.03500	459.21	90.94	
NC56	367.66	0.57750	459.19	91.53		NC102	367.51	0.03500	459.20	91.69	
NC57	366.80	0.57750	459.12	92.32		NC103	366.64	0.03500	459.19	92.55	
NC58	365.84	0.42000	459.00	93.16		NC104	365.74	0.03500	459.19	93.45	
NC59	364.23	0.42000	458.96	94.73		NC105	364.88	0.03500	459.18	94.30	
NC60	363.94	0.42000	458.95	95.01		NC106	364.27	0.03500	459.18	94.91	
NC61	363.25	0.73500	458.95	95.70		NC107	363.43	0.03500	459.21	95.78	
NC62	369.84	10.00000	459.39	89.55		NC108	362.99	0.03500	459.21	96.22	
NC63	372.47	10.00000	459.37	86.90		NC109	362.48	0.03500	459.21	96.73	
NC64	374.12	10.00000	459.37	85.25		NC110	361.95	0.03500	459.21	97.26	
NC65	374.94	7.00000	459.38	84.44		NC111	361.44	0.03500	459.21	97.77	
NC66	372.11	7.00000	459.45	87.34		NC112	361.41	0.03500	459.21	97.80	
NC67	371.49	0.15000	459.47	87.98		NC113	361.17	0.03500	459.21	98.04	
NC68	369.53	0.57750	459.36	89.83		NC114	361.16	0.01750	459.21	98.05	
NC69	371.51	0.57750	459.34	87.83		NC115	374.07	0.03500	459.32	85.25	
NC70	371.87	0.57750	459.34	87.47		NC116	373.47	0.03500	459.32	85.85	
NC71	373.84	0.57750	459.34	85.50		NC117	372.76	0.03500	459.33	86.57	
NC72	366.55	0.57750	459.13	92.58		NC118	372.06	0.03500	459.33	87.27	
NC73	366.68	0.57750	459.14	92.46		NC119	371.35	0.03500	459.33	87.98	
NC74	368.91	0.57750	459.20	90.29		NC120	370.64	0.03500	459.34	88.70	
NC75	366.60	0.42000	459.07	92.47		NC121	369.95	0.03500	459.34	89.39	
NC76	366.49	0.42000	459.09	92.60		NC122	369.45	0.03500	459.34	89.89	
NC77	367.84	0.42000	459.14	91.30		NC123	368.44	0.01750	459.42	90.98	
NC78	368.65	0.42000	459.17	90.52		NC124	368.13	0.03500	459.42	91.29	
NC79	363.44	0.42000	458.97	95.53		NC125	367.52	0.03500	459.42	91.90	
NC80	363.39	0.42000	459.05	95.66		NC126	366.86	0.03500	459.42	92.56	
NC81	363.78	0.42000	459.10	95.32		NC127	366.19	0.03500	459.43	93.24	
NC82	363.33	0.73500	459.03	95.70		NC128	365.57	0.03500	459.43	93.86	
NC83	373.71	0.57750	459.31	85.60		NC129	365.15	0.03500	459.44	94.29	
NC84	371.54	0.57750	459.25	87.71		NC130	364.36	0.03500	459.46	95.10	
NC85	370.98	0.57750	459.24	88.26		NC131	363.90	0.03500	459.46	95.56	
NC86	369.51	0.57750	459.22	89.71		NC132	363.34	0.03500	459.46	96.12	
NC87	367.98	0.42000	459.17	91.19		NC133	362.78	0.03500	459.47	96.69	
NC88	366.92	0.42000	459.15	92.23		NC134	362.22	0.03500	459.47	97.25	
NC89	365.58	0.42000	459.15	93.57		NC135	361.81	0.03500	459.47	97.66	
NC90	364.80	0.42000	459.14	94.34		NC136	361.66	0.03500	459.47	97.81	
NC91	363.14	0.73500	459.13	95.99		NC137	361.73	0.01750	459.47	97.74	
NC92	374.21	0.01750	459.32	85.11		NC138	374.31	0.03500	459.33	85.02	
NC93	373.97	0.03500	459.32	85.35		NC139	373.90	0.03500	459.35	85.45	
NC94	373.42	0.03500	459.31	85.89		NC140	373.30	0.03500	459.37	86.07	
NC95	372.65	0.03500	459.30	86.65		NC141	372.59	0.03500	459.39	86.80	
NC96	371.84	0.03500	459.29	87.45		NC142	371.90	0.03500	459.41	87.51	
NC97	371.03	0.03500	459.29	88.26		NC143	371.20	0.03500	459.43	88.23	
NC98	370.24	0.03500	459.28	89.04		NC144	370.48	0.03500	459.46	88.98	
NC99	369.67	0.03500	459.27	89.60		NC145	369.79	0.03500	459.48	89.69	
NC100	368.62	0.01750	459.21	90.59		NC146	369.27	0.03500	459.51	90.24	

NC147	368.30	0.01750	459.53	91.23	Pres. máx.	NC193	364.52	0.34200	460.45	95.93	
NC148	367.96	0.03500	459.53	91.57		NC194	372.86	0.03500	459.57	86.71	
NC149	367.36	0.03500	459.54	92.18		NC195	373.17	0.03500	459.55	86.38	
NC150	366.70	0.03500	459.54	92.84		NC196	373.32	0.03500	459.54	86.22	
NC151	366.03	0.03500	459.55	93.52		NC197	373.38	0.03500	459.54	86.16	
NC152	365.39	0.03500	459.56	94.17		NC198	373.24	0.03500	459.53	86.29	
NC153	364.97	0.03500	459.56	94.59		NC199	373.03	0.03500	460.54	87.51	
NC154	364.29	0.01750	459.55	95.26		NC200	371.84	0.03500	460.57	88.73	
NC155	363.98	0.03500	459.55	95.57		NC201	372.57	0.03500	460.75	88.18	
NC156	363.46	0.03500	459.55	96.09		NC202	373.22	0.03500	460.92	87.70	
NC157	362.89	0.03500	459.55	96.66		NC203	373.77	0.03500	461.09	87.32	
NC158	362.33	0.03500	459.55	97.22		NC204	370.52	0.03500	460.61	90.09	
NC159	361.81	0.03500	459.55	97.74		NC205	371.56	0.03500	460.65	89.09	
NC160	361.53	0.03500	459.55	98.02		NC206	372.55	0.03500	460.69	88.14	
NC161	361.49	0.03500	459.55	98.06		NC207	373.27	0.03500	460.72	87.45	
NC162	371.80	0.01750	459.21	87.41		NC208	369.71	0.03500	460.58	90.87	
NC163	371.53	0.03500	459.24	87.71		NC209	370.43	0.03500	460.61	90.18	
NC164	371.21	0.03500	459.28	88.07		NC210	371.27	0.03500	460.64	89.37	
NC165	370.89	0.03500	459.32	88.43		NC211	372.16	0.03500	460.67	88.51	
NC166	370.57	0.03500	459.36	88.79		NC212	372.87	0.03500	460.70	87.83	
NC167	370.26	0.03500	459.40	89.14		NC213	373.26	0.01750	460.72	87.46	
NC168	369.93	0.03500	459.44	89.51		NC214	368.79	0.03500	460.54	91.75	
NC169	369.61	0.03500	459.48	89.87		NC215	369.58	0.03500	460.58	91.00	
NC170	369.29	0.03500	459.53	90.24		NC216	370.41	0.03500	460.61	90.20	
NC171	368.99	0.03500	459.57	90.58		NC217	371.22	0.03500	460.65	89.43	
NC172	369.01	0.51000	459.70	90.69		NC218	371.95	0.03500	460.69	88.74	
NC173	368.03	0.01750	459.88	91.85		NC219	372.42	0.01750	460.72	88.30	
NC174	367.80	0.03500	459.88	92.08		NC220	368.22	0.03500	460.53	92.31	
NC175	367.39	0.03500	459.88	92.49		NC221	368.88	0.03500	460.56	91.68	
NC176	366.97	0.03500	459.88	92.91		NC222	369.55	0.03500	460.60	91.05	
NC177	366.55	0.03500	459.88	93.33		NC223	370.25	0.03500	460.63	90.38	
NC178	366.13	0.03500	459.89	93.76		NC224	370.96	0.03500	460.66	89.70	
NC179	365.79	0.03500	459.89	94.10		NC225	371.63	0.03500	460.70	89.07	
NC180	365.78	0.31200	459.96	94.18		NC226	372.16	0.03500	460.73	88.57	
NC181	365.44	0.34200	459.98	94.54		NC227	372.52	0.03500	460.77	88.25	
NC182	365.09	0.01750	459.91	94.82		NC228	366.31	0.01750	460.74	94.43	
NC183	364.86	0.03500	459.91	95.05		NC229	366.81	0.03500	460.80	93.99	
NC184	364.45	0.03500	459.91	95.46		NC230	367.41	0.03500	460.85	93.44	
NC185	364.03	0.03500	459.91	95.88		NC231	368.03	0.03500	460.91	92.88	
NC186	363.60	0.03500	459.91	96.31		NC232	368.64	0.03500	460.96	92.32	
NC187	363.19	0.03500	459.91	96.72		NC233	369.25	0.03500	461.02	91.77	
NC188	362.95	0.03500	459.91	96.96		NC234	369.86	0.03500	461.08	91.22	
NC189	362.96	0.03500	459.91	96.95		NC235	370.47	0.03500	461.14	90.67	
NC190	372.76	0.01750	460.03	87.27		NC236	371.08	0.03500	461.20	90.12	
NC191	372.38	0.03500	460.16	87.78		NC237	366.11	0.03500	460.74	94.63	
NC192	370.71	0.31200	460.34	89.63		NC238	366.53	0.03500	460.79	94.26	

NC239	367.07	0.03500	460.84	93.77		NT27	374.14	---	459.34	85.20	
NC240	367.61	0.03500	460.89	93.28		NT28	369.37	---	459.22	89.85	
NC241	368.14	0.03500	460.94	92.80		NT29	368.89	---	459.19	90.30	
NC242	368.68	0.03500	461.00	92.32		NT30	364.10	---	459.14	95.04	
NC243	369.22	0.03500	461.05	91.83		NT31	363.75	---	459.14	95.39	
NC244	369.75	0.03500	461.11	91.36		NT32	360.83	---	459.12	98.29	
NC245	370.30	0.03500	461.16	90.86		NT33	374.61	---	459.33	84.72	
NC246	370.83	0.03500	461.22	90.39		NT34	369.37	---	459.27	89.90	
NC247	371.28	0.03500	461.27	89.99		NT35	369.06	---	459.22	90.16	
NC248	371.56	0.03500	461.33	89.77		NT36	364.28	---	459.19	94.91	
NC249	365.25	0.03500	460.60	95.35		NT37	363.93	---	459.21	95.28	
NC250	365.57	0.03500	460.64	95.07		NT38	360.93	---	459.21	98.28	
NC251	365.80	0.03500	460.69	94.89		NT39	374.71	---	459.32	84.61	
NC252	366.04	0.03500	460.73	94.69		NT40	369.07	---	459.35	90.28	
NC253	366.49	0.03500	460.77	94.28		NT41	368.68	---	459.42	90.74	
NC254	366.49	0.03500	460.81	94.32		NT42	364.81	---	459.44	94.63	
NC255	366.72	0.03500	460.85	94.13		NT43	364.55	---	459.46	94.91	
NC256	366.95	0.03500	460.90	93.95		NT44	361.80	---	459.47	97.67	
NC257	367.17	0.03500	460.94	93.77		NT45	374.29	---	459.31	85.02	
NC258	367.41	0.03500	460.99	93.58		NT47	368.48	---	459.53	91.05	
NC259	367.80	0.03500	461.03	93.23		NT48	365.04	---	459.57	94.53	
NC260	368.43	0.03500	461.08	92.65		NT49	364.69	---	459.55	94.86	
NC261	369.82	0.03500	461.15	91.33		NT50	362.04	---	459.55	97.51	
NC262	373.66	0.03500	460.68	87.02		NT51	372.52	---	459.17	86.65	
NC263	371.40	0.51000	459.46	88.06		NT52	368.73	---	459.61	90.88	
NT2	372.45	---	459.41	86.96		NT53	368.27	---	459.88	91.61	
NT3	372.01	---	459.06	87.05		NT54	365.56	---	459.89	94.33	
NT4	371.07	---	458.95	87.88		NT55	365.31	---	459.91	94.60	
NT5	368.26	---	458.74	90.48		NT56	363.10	---	459.91	96.81	
NT6	367.91	---	458.72	90.81		NT57	371.55	---	459.53	87.98	
NT9	369.42	---	459.48	90.06		NT58	371.47	---	459.51	88.04	
NT10	369.45	---	459.45	90.00		NT59	372.97	---	459.59	86.62	
NT12	367.77	---	459.06	91.29		NT60	371.59	---	460.29	88.70	
NT13	367.69	---	458.99	91.30		NT61	371.24	---	460.43	89.19	
NT14	367.05	---	458.97	91.92		NT62	369.53	---	460.56	91.03	
NT15	364.66	---	458.84	94.18		NT63	369.37	---	460.56	91.19	
NT16	364.63	---	458.83	94.20		NT64	367.72	---	460.49	92.77	
NT17	362.43	---	458.80	96.37		NT65	367.34	---	460.51	93.17	
NT18	369.57	---	459.43	89.86		NT66	366.13	---	460.70	94.57	
NT19	369.11	---	459.37	90.26		NT67	365.80	---	460.70	94.90	
NT21	366.90	---	459.12	92.22		NT68	364.78	---	460.55	95.77	
NT22	366.90	---	459.07	92.17		NT69	373.66	---	460.70	87.04	
NT23	366.94	---	459.02	92.08		NT70	373.77	---	461.10	87.33	
NT24	363.87	---	458.95	95.08		NT71	373.51	---	460.75	87.24	
NT25	363.65	---	458.95	95.30		NT72	373.49	---	460.74	87.25	
NT26	361.91	---	458.98	97.07		NT73	372.87	---	460.74	87.87	

NT74	372.68	---	460.79	88.11	
NT75	371.82	---	461.29	89.47	
NT76	371.53	---	461.35	89.82	
NT80	371.67	---	461.43	89.76	
NT81	373.72	---	461.53	87.81	
NT97	374.35	---	459.37	85.02	
SG1	374.00	-70.58868	464.00	90.00	
SG2	371.68	-20.39090	461.68	90.00	
SG3	372.50	-36.77002	462.50	90.00	
SG4	371.00	-33.59838	461.00	90.00	

Combinación: H5+H9

Nudo	Cota m	Caudal dem. l/s	Alt. piez. m.c.a.	Pre. disp. m.c.a.	Coment.
BR39	364.92	0.00000	458.58	93.66	
BR48	366.95	0.00000	458.79	91.84	
BR52	364.07	0.00000	458.68	94.61	
BR64	365.00	2.50000	458.92	93.92	
BR65	366.77	0.00000	458.93	92.16	
BR88	365.71	0.00000	459.21	93.50	
BR89	367.02	0.00000	459.20	92.18	
BR92	370.26	0.00000	459.06	88.80	
BR93	371.68	0.00000	459.04	87.36	
BR99	372.39	0.00000	458.88	86.49	
BR107	365.38	0.00000	459.84	94.46	
BR115	369.55	0.00000	459.36	89.81	
H1	372.62	0.00000	459.04	86.42	
H2	368.64	0.00000	458.46	89.82	
H3	364.62	0.00000	458.38	93.76	
H4	369.25	0.00000	459.11	89.86	
H5	372.86	16.60000	458.11	85.25	
H6	368.22	0.00000	458.86	90.64	
H7	363.62	0.00000	458.83	95.21	
H8	361.47	0.00000	459.17	97.70	
H9	371.64	16.60000	458.71	87.07	
H10	369.83	0.00000	460.28	90.45	
H11	367.02	0.00000	460.35	93.33	
H12	373.31	0.00000	460.94	87.63	
H13	365.67	0.00000	460.62	94.95	
H14	372.42	0.00000	461.03	88.61	
NC1	372.76	0.28000	458.98	86.22	
NC2	372.81	0.28000	458.95	86.14	
NC3	372.67	0.28000	458.85	86.18	
NC4	372.40	0.28000	458.80	86.40	
NC5	370.61	0.66500	458.61	88.00	

NC6	370.12	0.66500	458.56	88.44	
NC7	369.56	0.66500	458.50	88.94	
NC8	369.10	0.66500	458.47	89.37	
NC9	367.53	0.82250	458.42	90.89	
NC10	365.75	0.82250	458.38	92.63	
NC11	365.44	0.82250	458.38	92.94	
NC12	364.46	0.82250	458.38	93.92	
NC13	364.41	0.82250	458.38	93.97	
NC14	363.64	0.82250	458.40	94.76	
NC15	363.47	0.82250	458.40	94.93	
NC16	362.60	0.82250	458.48	95.88	
NC17	370.49	7.00000	460.38	89.89	
NC18	369.40	7.00000	459.68	90.28	
NC19	371.64	7.00000	459.14	87.50	
NC20	369.92	7.00000	459.16	89.24	
NC21	371.44	0.28000	459.11	87.67	
NC22	370.40	0.28000	459.12	88.72	
NC23	370.25	0.28000	459.12	88.87	
NC24	369.25	0.28000	459.14	89.89	
NC25	369.39	0.28000	459.12	89.73	
NC26	367.78	0.28000	458.94	91.16	
NC27	367.68	0.28000	458.92	91.24	
NC28	367.61	0.28000	458.82	91.21	
NC29	371.65	0.28000	458.76	87.11	
NC30	369.33	0.28000	458.76	89.43	
NC31	368.80	0.28000	458.76	89.96	
NC32	367.62	0.28000	458.76	91.14	
NC33	370.42	0.66500	458.66	88.24	
NC34	368.68	0.66500	458.66	89.98	
NC35	368.20	0.66500	458.67	90.47	
NC36	367.63	0.66500	458.69	91.06	
NC37	367.41	0.66500	458.68	91.27	
NC38	365.81	0.66500	458.62	92.81	
NC39	365.45	0.66500	458.61	93.16	
NC40	364.38	0.66500	458.57	94.19	
NC41	367.94	0.66500	458.46	90.52	
NC42	366.13	0.66500	458.48	92.35	
NC43	365.82	0.66500	458.49	92.67	
NC44	364.83	0.66500	458.54	93.71	
NC45	367.31	0.82250	458.44	91.13	
NC46	365.83	0.82250	458.46	92.63	
NC47	365.61	0.82250	458.46	92.85	
NC48	364.62	0.82250	458.53	93.91	
NC49	364.50	0.82250	458.54	94.04	
NC50	363.04	0.82250	458.53	95.49	
NC51	362.80	0.82250	458.52	95.72	

NC52	362.24	0.82250	458.53	96.29	Pres. min.	NC98	370.24	0.03500	458.96	88.72	
NC53	368.81	0.57750	458.94	90.13		NC99	369.67	0.03500	458.96	89.29	
NC54	367.69	0.57750	458.88	91.19		NC100	368.62	0.01750	458.94	90.32	
NC55	367.63	0.57750	458.87	91.24		NC101	368.27	0.03500	458.94	90.67	
NC56	367.66	0.57750	458.84	91.18		NC102	367.51	0.03500	458.93	91.42	
NC57	366.80	0.57750	458.80	92.00		NC103	366.64	0.03500	458.93	92.29	
NC58	365.84	0.42000	458.71	92.87		NC104	365.74	0.03500	458.92	93.18	
NC59	364.23	0.42000	458.68	94.45		NC105	364.88	0.03500	458.92	94.04	
NC60	363.94	0.42000	458.68	94.74		NC106	364.27	0.03500	458.93	94.66	
NC61	363.25	0.73500	458.68	95.43		NC107	363.43	0.03500	458.96	95.53	
NC62	369.84	10.00000	459.08	89.24		NC108	362.99	0.03500	458.96	95.97	
NC63	372.47	10.00000	459.07	86.60		NC109	362.48	0.03500	458.96	96.48	
NC64	374.12	10.00000	459.07	84.95		NC110	361.95	0.03500	458.96	97.01	
NC65	374.94	7.00000	459.10	84.16		NC111	361.44	0.03500	458.96	97.52	
NC66	372.11	7.00000	459.23	87.12		NC112	361.41	0.03500	458.96	97.55	
NC67	371.49	0.15000	459.27	87.78		NC113	361.17	0.03500	458.96	97.79	
NC68	369.53	0.57750	458.84	89.31		NC114	361.16	0.01750	458.96	97.80	
NC69	371.51	0.57750	458.33	86.82		NC115	374.07	0.03500	459.02	84.95	
NC70	371.87	0.57750	458.27	86.40		NC116	373.47	0.03500	459.03	85.56	
NC71	373.84	0.57750	458.71	84.87		NC117	372.76	0.03500	459.03	86.27	
NC72	366.55	0.57750	458.82	92.27		NC118	372.06	0.03500	459.04	86.98	
NC73	366.68	0.57750	458.83	92.15		NC119	371.35	0.03500	459.05	87.70	
NC74	368.91	0.57750	458.89	89.98		NC120	370.64	0.03500	459.05	88.41	
NC75	366.60	0.42000	458.77	92.17		NC121	369.95	0.03500	459.06	89.11	
NC76	366.49	0.42000	458.79	92.30		NC122	369.45	0.03500	459.07	89.62	
NC77	367.84	0.42000	458.85	91.01		NC123	368.44	0.01750	459.19	90.75	
NC78	368.65	0.42000	458.88	90.23		NC124	368.13	0.03500	459.19	91.06	
NC79	363.44	0.42000	458.70	95.26		NC125	367.52	0.03500	459.20	91.68	
NC80	363.39	0.42000	458.79	95.40		NC126	366.86	0.03500	459.20	92.34	
NC81	363.78	0.42000	458.84	95.06		NC127	366.19	0.03500	459.21	93.02	
NC82	363.33	0.73500	458.76	95.43		NC128	365.57	0.03500	459.21	93.64	
NC83	373.71	0.57750	458.95	85.24		NC129	365.15	0.03500	459.22	94.07	
NC84	371.54	0.57750	458.92	87.38		NC130	364.36	0.03500	459.26	94.90	
NC85	370.98	0.57750	458.92	87.94		NC131	363.90	0.03500	459.26	95.36	
NC86	369.51	0.57750	458.91	89.40		NC132	363.34	0.03500	459.26	95.92	
NC87	367.98	0.42000	458.89	90.91		NC133	362.78	0.03500	459.26	96.48	
NC88	366.92	0.42000	458.88	91.96		NC134	362.22	0.03500	459.26	97.04	
NC89	365.58	0.42000	458.88	93.30		NC135	361.81	0.03500	459.27	97.46	
NC90	364.80	0.42000	458.88	94.08		NC136	361.66	0.03500	459.27	97.61	
NC91	363.14	0.73500	458.87	95.73		NC137	361.73	0.01750	459.27	97.54	
NC92	374.21	0.01750	458.97	84.76		NC138	374.31	0.03500	459.04	84.73	
NC93	373.97	0.03500	458.97	85.00		NC139	373.90	0.03500	459.07	85.17	
NC94	373.42	0.03500	458.97	85.55		NC140	373.30	0.03500	459.11	85.81	
NC95	372.65	0.03500	458.97	86.32		NC141	372.59	0.03500	459.15	86.56	
NC96	371.84	0.03500	458.96	87.12		NC142	371.90	0.03500	459.19	87.29	
NC97	371.03	0.03500	458.96	87.93		NC143	371.20	0.03500	459.22	88.02	

NC144	370.48	0.03500	459.26	88.78	Pres. máx.	NC190	372.76	0.01750	460.32	87.56	
NC145	369.79	0.03500	459.30	89.51		NC191	372.38	0.03500	460.41	88.03	
NC146	369.27	0.03500	459.35	90.08		NC192	370.71	0.31200	460.43	89.72	
NC147	368.30	0.01750	459.33	91.03		NC193	364.52	0.34200	460.39	95.87	
NC148	367.96	0.03500	459.34	91.38		NC194	372.86	0.03500	460.31	87.45	
NC149	367.36	0.03500	459.35	91.99		NC195	373.17	0.03500	460.50	87.33	
NC150	366.70	0.03500	459.36	92.66		NC196	373.32	0.03500	460.62	87.30	
NC151	366.03	0.03500	459.36	93.33		NC197	373.38	0.03500	460.75	87.37	
NC152	365.39	0.03500	459.37	93.98		NC198	373.24	0.03500	460.88	87.64	
NC153	364.97	0.03500	459.38	94.41		NC199	373.03	0.03500	460.94	87.91	
NC154	364.29	0.01750	459.36	95.07		NC200	371.84	0.03500	460.70	88.86	
NC155	363.98	0.03500	459.36	95.38		NC201	372.57	0.03500	460.88	88.31	
NC156	363.46	0.03500	459.36	95.90		NC202	373.22	0.03500	461.06	87.84	
NC157	362.89	0.03500	459.36	96.47		NC203	373.77	0.03500	461.24	87.47	
NC158	362.33	0.03500	459.36	97.03		NC204	370.52	0.03500	460.68	90.16	
NC159	361.81	0.03500	459.36	97.55		NC205	371.56	0.03500	460.71	89.15	
NC160	361.53	0.03500	459.36	97.83		NC206	372.55	0.03500	460.75	88.20	
NC161	361.49	0.03500	459.36	97.87		NC207	373.27	0.03500	460.79	87.52	
NC162	371.80	0.01750	458.99	87.19		NC208	369.71	0.03500	460.65	90.94	
NC163	371.53	0.03500	459.03	87.50		NC209	370.43	0.03500	460.67	90.24	
NC164	371.21	0.03500	459.08	87.87		NC210	371.27	0.03500	460.70	89.43	
NC165	370.89	0.03500	459.14	88.25		NC211	372.16	0.03500	460.73	88.57	
NC166	370.57	0.03500	459.19	88.62		NC212	372.87	0.03500	460.76	87.89	
NC167	370.26	0.03500	459.24	88.98		NC213	373.26	0.01750	460.78	87.52	
NC168	369.93	0.03500	459.30	89.37		NC214	368.79	0.03500	460.56	91.77	
NC169	369.61	0.03500	459.35	89.74		NC215	369.58	0.03500	460.60	91.02	
NC170	369.29	0.03500	459.41	90.12		NC216	370.41	0.03500	460.64	90.23	
NC171	368.99	0.03500	459.47	90.48		NC217	371.22	0.03500	460.69	89.47	
NC172	369.01	0.51000	459.65	90.64		NC218	371.95	0.03500	460.73	88.78	
NC173	368.03	0.01750	459.79	91.76		NC219	372.42	0.01750	460.77	88.35	
NC174	367.80	0.03500	459.79	91.99		NC220	368.22	0.03500	460.54	92.32	
NC175	367.39	0.03500	459.79	92.40		NC221	368.88	0.03500	460.57	91.69	
NC176	366.97	0.03500	459.79	92.82		NC222	369.55	0.03500	460.61	91.06	
NC177	366.55	0.03500	459.79	93.24		NC223	370.25	0.03500	460.65	90.40	
NC178	366.13	0.03500	459.79	93.66		NC224	370.96	0.03500	460.69	89.73	
NC179	365.79	0.03500	459.79	94.00		NC225	371.63	0.03500	460.73	89.10	
NC180	365.78	0.31200	459.88	94.10		NC226	372.16	0.03500	460.77	88.61	
NC181	365.44	0.34200	459.88	94.44		NC227	372.52	0.03500	460.81	88.29	
NC182	365.09	0.01750	459.78	94.69		NC228	366.31	0.01750	460.73	94.42	
NC183	364.86	0.03500	459.78	94.92		NC229	366.81	0.03500	460.78	93.97	
NC184	364.45	0.03500	459.78	95.33		NC230	367.41	0.03500	460.84	93.43	
NC185	364.03	0.03500	459.78	95.75		NC231	368.03	0.03500	460.90	92.87	
NC186	363.60	0.03500	459.78	96.18		NC232	368.64	0.03500	460.96	92.32	
NC187	363.19	0.03500	459.78	96.59		NC233	369.25	0.03500	461.02	91.77	
NC188	362.95	0.03500	459.78	96.83		NC234	369.86	0.03500	461.08	91.22	
NC189	362.96	0.03500	459.78	96.82		NC235	370.47	0.03500	461.14	90.67	

NC236	371.08	0.03500	461.20	90.12		NT24	363.87	---	458.68	94.81	
NC237	366.11	0.03500	460.72	94.61		NT25	363.65	---	458.68	95.03	
NC238	366.53	0.03500	460.78	94.25		NT26	361.91	---	458.71	96.80	
NC239	367.07	0.03500	460.83	93.76		NT27	374.14	---	458.97	84.83	
NC240	367.61	0.03500	460.88	93.27		NT28	369.37	---	458.91	89.54	
NC241	368.14	0.03500	460.93	92.79		NT29	368.89	---	458.91	90.02	
NC242	368.68	0.03500	460.99	92.31		NT30	364.10	---	458.88	94.78	
NC243	369.22	0.03500	461.04	91.82		NT31	363.75	---	458.88	95.13	
NC244	369.75	0.03500	461.10	91.35		NT32	360.83	---	458.87	98.04	
NC245	370.30	0.03500	461.15	90.85		NT33	374.61	---	458.97	84.36	
NC246	370.83	0.03500	461.21	90.38		NT34	369.37	---	458.96	89.59	
NC247	371.28	0.03500	461.27	89.99		NT35	369.06	---	458.95	89.89	
NC248	371.56	0.03500	461.33	89.77		NT36	364.28	---	458.93	94.65	
NC249	365.25	0.03500	460.56	95.31		NT37	363.93	---	458.96	95.03	
NC250	365.57	0.03500	460.61	95.04		NT38	360.93	---	458.96	98.03	
NC251	365.80	0.03500	460.65	94.85		NT39	374.71	---	459.02	84.31	
NC252	366.04	0.03500	460.69	94.65		NT40	369.07	---	459.07	90.00	
NC253	366.49	0.03500	460.74	94.25		NT41	368.68	---	459.18	90.50	
NC254	366.49	0.03500	460.78	94.29		NT42	364.81	---	459.23	94.42	
NC255	366.72	0.03500	460.83	94.11		NT43	364.55	---	459.26	94.71	
NC256	366.95	0.03500	460.87	93.92		NT44	361.80	---	459.27	97.47	
NC257	367.17	0.03500	460.92	93.75		NT45	374.29	---	459.02	84.73	
NC258	367.41	0.03500	460.97	93.56		NT47	368.48	---	459.33	90.85	
NC259	367.80	0.03500	461.02	93.22		NT48	365.04	---	459.39	94.35	
NC260	368.43	0.03500	461.07	92.64		NT49	364.69	---	459.36	94.67	
NC261	369.82	0.03500	461.14	91.32		NT50	362.04	---	459.36	97.32	
NC262	373.66	0.03500	461.20	87.54		NT51	372.52	---	458.94	86.42	
NC263	371.40	0.51000	459.32	87.92		NT52	368.73	---	459.52	90.79	
NT2	372.45	---	459.11	86.66		NT53	368.27	---	459.79	91.52	
NT3	372.01	---	458.76	86.75		NT54	365.56	---	459.79	94.23	
NT4	371.07	---	458.66	87.59		NT55	365.31	---	459.78	94.47	
NT5	368.26	---	458.46	90.20		NT56	363.10	---	459.78	96.68	
NT6	367.91	---	458.44	90.53		NT57	371.55	---	459.37	87.82	
NT9	369.42	---	459.18	89.76		NT58	371.47	---	459.37	87.90	
NT10	369.45	---	459.14	89.69		NT59	372.97	---	460.03	87.06	
NT12	367.77	---	458.77	91.00		NT60	371.59	---	460.50	88.91	
NT13	367.69	---	458.69	91.00		NT61	371.24	---	460.55	89.31	
NT14	367.05	---	458.68	91.63		NT62	369.53	---	460.63	91.10	
NT15	364.66	---	458.56	93.90		NT63	369.37	---	460.62	91.25	
NT16	364.63	---	458.55	93.92		NT64	367.72	---	460.50	92.78	
NT17	362.43	---	458.53	96.10		NT65	367.34	---	460.51	93.17	
NT18	369.57	---	459.11	89.54		NT66	366.13	---	460.68	94.55	
NT19	369.11	---	458.96	89.85		NT67	365.80	---	460.68	94.88	
NT21	366.90	---	458.80	91.90		NT68	364.78	---	460.51	95.73	
NT22	366.90	---	458.76	91.86		NT69	373.66	---	461.23	87.57	
NT23	366.94	---	458.72	91.78		NT70	373.77	---	461.24	87.47	

NT71	373.51	---	460.82	87.31	
NT72	373.49	---	460.80	87.31	
NT73	372.87	---	460.80	87.93	
NT74	372.68	---	460.83	88.15	
NT75	371.82	---	461.30	89.48	
NT76	371.53	---	461.35	89.82	
NT80	371.67	---	461.43	89.76	
NT81	373.72	---	461.73	88.01	
NT97	374.35	---	459.07	84.72	
SG1	374.00	-73.01656	464.00	90.00	
SG2	371.68	-20.35567	461.68	90.00	
SG3	372.50	-32.40646	462.50	90.00	
SG4	371.00	-35.56929	461.00	90.00	

Combinación: H4+H5

Nudo	Cota m	Caudal dem. l/s	Alt. piez. m.c.a.	Pre. disp. m.c.a.	Coment.
BR39	364.92	0.00000	458.51	93.59	
BR48	366.95	0.00000	458.71	91.76	
BR52	364.07	0.00000	458.62	94.55	
BR64	365.00	2.50000	458.90	93.90	
BR65	366.77	0.00000	458.91	92.14	
BR88	365.71	0.00000	459.24	93.53	
BR89	367.02	0.00000	459.23	92.21	
BR92	370.26	0.00000	459.18	88.92	
BR93	371.68	0.00000	459.19	87.51	
BR99	372.39	0.00000	459.46	87.07	
BR107	365.38	0.00000	459.85	94.47	
BR115	369.55	0.00000	459.72	90.17	
H1	372.62	0.00000	458.88	86.26	
H2	368.64	0.00000	458.38	89.74	
H3	364.62	0.00000	458.31	93.69	
H4	369.25	16.60000	458.91	89.66	
H5	372.86	16.60000	458.00	85.14	
H6	368.22	0.00000	458.81	90.59	
H7	363.62	0.00000	458.79	95.17	
H8	361.47	0.00000	459.16	97.69	
H9	371.64	0.00000	459.47	87.83	
H10	369.83	0.00000	460.34	90.51	
H11	367.02	0.00000	460.38	93.36	
H12	373.31	0.00000	461.00	87.69	
H13	365.67	0.00000	460.64	94.97	
H14	372.42	0.00000	461.05	88.63	
NC1	372.76	0.28000	458.83	86.07	
NC2	372.81	0.28000	458.80	85.99	

NC3	372.67	0.28000	458.71	86.04	
NC4	372.40	0.28000	458.67	86.27	
NC5	370.61	0.66500	458.50	87.89	
NC6	370.12	0.66500	458.46	88.34	
NC7	369.56	0.66500	458.41	88.85	
NC8	369.10	0.66500	458.39	89.29	
NC9	367.53	0.82250	458.35	90.82	
NC10	365.75	0.82250	458.31	92.56	
NC11	365.44	0.82250	458.31	92.87	
NC12	364.46	0.82250	458.31	93.85	
NC13	364.41	0.82250	458.31	93.90	
NC14	363.64	0.82250	458.33	94.69	
NC15	363.47	0.82250	458.34	94.87	
NC16	362.60	0.82250	458.41	95.81	
NC17	370.49	7.00000	460.25	89.76	
NC18	369.40	7.00000	459.52	90.12	
NC19	371.64	7.00000	458.96	87.32	
NC20	369.92	7.00000	458.98	89.06	
NC21	371.44	0.28000	458.93	87.49	
NC22	370.40	0.28000	458.94	88.54	
NC23	370.25	0.28000	458.94	88.69	
NC24	369.25	0.28000	458.96	89.71	
NC25	369.39	0.28000	458.94	89.55	
NC26	367.78	0.28000	458.79	91.01	
NC27	367.68	0.28000	458.77	91.09	
NC28	367.61	0.28000	458.69	91.08	
NC29	371.65	0.28000	458.64	86.99	
NC30	369.33	0.28000	458.64	89.31	
NC31	368.80	0.28000	458.64	89.84	
NC32	367.62	0.28000	458.64	91.02	
NC33	370.42	0.66500	458.55	88.13	
NC34	368.68	0.66500	458.56	89.88	
NC35	368.20	0.66500	458.56	90.36	
NC36	367.63	0.66500	458.58	90.95	
NC37	367.41	0.66500	458.58	91.17	
NC38	365.81	0.66500	458.53	92.72	
NC39	365.45	0.66500	458.53	93.08	
NC40	364.38	0.66500	458.50	94.12	
NC41	367.94	0.66500	458.38	90.44	
NC42	366.13	0.66500	458.40	92.27	
NC43	365.82	0.66500	458.41	92.59	
NC44	364.83	0.66500	458.47	93.64	
NC45	367.31	0.82250	458.37	91.06	
NC46	365.83	0.82250	458.38	92.55	
NC47	365.61	0.82250	458.39	92.78	
NC48	364.62	0.82250	458.47	93.85	

NC49	364.50	0.82250	458.48	93.98	Pres. min.	NC95	372.65	0.03500	458.95	86.30	
NC50	363.04	0.82250	458.46	95.42		NC96	371.84	0.03500	458.95	87.11	
NC51	362.80	0.82250	458.46	95.66		NC97	371.03	0.03500	458.95	87.92	
NC52	362.24	0.82250	458.47	96.23		NC98	370.24	0.03500	458.95	88.71	
NC53	368.81	0.57750	458.78	89.97		NC99	369.67	0.03500	458.95	89.28	
NC54	367.69	0.57750	458.75	91.06		NC100	368.62	0.01750	458.92	90.30	
NC55	367.63	0.57750	458.74	91.11		NC101	368.27	0.03500	458.92	90.65	
NC56	367.66	0.57750	458.73	91.07		NC102	367.51	0.03500	458.91	91.40	
NC57	366.80	0.57750	458.72	91.92		NC103	366.64	0.03500	458.91	92.27	
NC58	365.84	0.42000	458.63	92.79		NC104	365.74	0.03500	458.90	93.16	
NC59	364.23	0.42000	458.62	94.39		NC105	364.88	0.03500	458.90	94.02	
NC60	363.94	0.42000	458.62	94.68		NC106	364.27	0.03500	458.91	94.64	
NC61	363.25	0.73500	458.62	95.37		NC107	363.43	0.03500	458.94	95.51	
NC62	369.84	10.00000	458.91	89.07		NC108	362.99	0.03500	458.94	95.95	
NC63	372.47	10.00000	458.91	86.44		NC109	362.48	0.03500	458.94	96.46	
NC64	374.12	10.00000	458.93	84.81		NC110	361.95	0.03500	458.94	96.99	
NC65	374.94	7.00000	459.00	84.06		NC111	361.44	0.03500	458.94	97.50	
NC66	372.11	7.00000	459.20	87.09		NC112	361.41	0.03500	458.94	97.53	
NC67	371.49	0.15000	459.26	87.77		NC113	361.17	0.03500	458.94	97.77	
NC68	369.53	0.57750	458.69	89.16		NC114	361.16	0.01750	458.94	97.78	
NC69	371.51	0.57750	458.21	86.70		NC115	374.07	0.03500	459.22	85.15	
NC70	371.87	0.57750	458.14	86.27		NC116	373.47	0.03500	459.21	85.74	
NC71	373.84	0.57750	458.62	84.78		NC117	372.76	0.03500	459.20	86.44	
NC72	366.55	0.57750	458.74	92.19		NC118	372.06	0.03500	459.20	87.14	
NC73	366.68	0.57750	458.76	92.08		NC119	371.35	0.03500	459.19	87.84	
NC74	368.91	0.57750	458.85	89.94		NC120	370.64	0.03500	459.18	88.54	
NC75	366.60	0.42000	458.70	92.10		NC121	369.95	0.03500	459.17	89.22	
NC76	366.49	0.42000	458.73	92.24		NC122	369.45	0.03500	459.17	89.72	
NC77	367.84	0.42000	458.80	90.96		NC123	368.44	0.01750	459.23	90.79	
NC78	368.65	0.42000	458.84	90.19		NC124	368.13	0.03500	459.23	91.10	
NC79	363.44	0.42000	458.64	95.20		NC125	367.52	0.03500	459.23	91.71	
NC80	363.39	0.42000	458.74	95.35		NC126	366.86	0.03500	459.23	92.37	
NC81	363.78	0.42000	458.80	95.02		NC127	366.19	0.03500	459.23	93.04	
NC82	363.33	0.73500	458.72	95.39		NC128	365.57	0.03500	459.24	93.67	
NC83	373.71	0.57750	458.88	85.17		NC129	365.15	0.03500	459.24	94.09	
NC84	371.54	0.57750	458.87	87.33		NC130	364.36	0.03500	459.26	94.90	
NC85	370.98	0.57750	458.87	87.89		NC131	363.90	0.03500	459.26	95.36	
NC86	369.51	0.57750	458.88	89.37		NC132	363.34	0.03500	459.26	95.92	
NC87	367.98	0.42000	458.86	90.88		NC133	362.78	0.03500	459.26	96.48	
NC88	366.92	0.42000	458.85	91.93		NC134	362.22	0.03500	459.27	97.05	
NC89	365.58	0.42000	458.85	93.27		NC135	361.81	0.03500	459.27	97.46	
NC90	364.80	0.42000	458.85	94.05		NC136	361.66	0.03500	459.27	97.61	
NC91	363.14	0.73500	458.84	95.70		NC137	361.73	0.01750	459.27	97.54	
NC92	374.21	0.01750	458.96	84.75		NC138	374.31	0.03500	459.36	85.05	
NC93	373.97	0.03500	458.95	84.98		NC139	373.90	0.03500	459.39	85.49	
NC94	373.42	0.03500	458.95	85.53		NC140	373.30	0.03500	459.43	86.13	

NC141	372.59	0.03500	459.46	86.87	Pres. máx.	NC187	363.19	0.03500	459.80	96.61	
NC142	371.90	0.03500	459.50	87.60		NC188	362.95	0.03500	459.80	96.85	
NC143	371.20	0.03500	459.54	88.34		NC189	362.96	0.03500	459.80	96.84	
NC144	370.48	0.03500	459.57	89.09		NC190	372.76	0.01750	460.41	87.65	
NC145	369.79	0.03500	459.61	89.82		NC191	372.38	0.03500	460.50	88.12	
NC146	369.27	0.03500	459.65	90.38		NC192	370.71	0.31200	460.49	89.78	
NC147	368.30	0.01750	459.37	91.07		NC193	364.52	0.34200	460.40	95.88	
NC148	367.96	0.03500	459.38	91.42		NC194	372.86	0.03500	460.39	87.53	
NC149	367.36	0.03500	459.38	92.02		NC195	373.17	0.03500	460.57	87.40	
NC150	366.70	0.03500	459.39	92.69		NC196	373.32	0.03500	460.69	87.37	
NC151	366.03	0.03500	459.40	93.37		NC197	373.38	0.03500	460.81	87.43	
NC152	365.39	0.03500	459.40	94.01		NC198	373.24	0.03500	460.94	87.70	
NC153	364.97	0.03500	459.41	94.44		NC199	373.03	0.03500	461.01	87.98	
NC154	364.29	0.01750	459.36	95.07		NC200	371.84	0.03500	460.76	88.92	
NC155	363.98	0.03500	459.36	95.38		NC201	372.57	0.03500	460.94	88.37	
NC156	363.46	0.03500	459.36	95.90		NC202	373.22	0.03500	461.11	87.89	
NC157	362.89	0.03500	459.36	96.47		NC203	373.77	0.03500	461.28	87.51	
NC158	362.33	0.03500	459.36	97.03		NC204	370.52	0.03500	460.72	90.20	
NC159	361.81	0.03500	459.36	97.55		NC205	371.56	0.03500	460.76	89.20	
NC160	361.53	0.03500	459.36	97.83		NC206	372.55	0.03500	460.79	88.24	
NC161	361.49	0.03500	459.36	97.87		NC207	373.27	0.03500	460.83	87.56	
NC162	371.80	0.01750	459.49	87.69		NC208	369.71	0.03500	460.69	90.98	
NC163	371.53	0.03500	459.52	87.99		NC209	370.43	0.03500	460.72	90.29	
NC164	371.21	0.03500	459.55	88.34		NC210	371.27	0.03500	460.74	89.47	
NC165	370.89	0.03500	459.58	88.69		NC211	372.16	0.03500	460.77	88.61	
NC166	370.57	0.03500	459.62	89.05		NC212	372.87	0.03500	460.80	87.93	
NC167	370.26	0.03500	459.65	89.39		NC213	373.26	0.01750	460.82	87.56	
NC168	369.93	0.03500	459.68	89.75		NC214	368.79	0.03500	460.59	91.80	
NC169	369.61	0.03500	459.72	90.11		NC215	369.58	0.03500	460.63	91.05	
NC170	369.29	0.03500	459.75	90.46		NC216	370.41	0.03500	460.68	90.27	
NC171	368.99	0.03500	459.79	90.80		NC217	371.22	0.03500	460.72	89.50	
NC172	369.01	0.51000	459.92	90.91		NC218	371.95	0.03500	460.76	88.81	
NC173	368.03	0.01750	459.83	91.80		NC219	372.42	0.01750	460.81	88.39	
NC174	367.80	0.03500	459.83	92.03		NC220	368.22	0.03500	460.57	92.35	
NC175	367.39	0.03500	459.83	92.44		NC221	368.88	0.03500	460.61	91.73	
NC176	366.97	0.03500	459.83	92.86		NC222	369.55	0.03500	460.64	91.09	
NC177	366.55	0.03500	459.83	93.28		NC223	370.25	0.03500	460.68	90.43	
NC178	366.13	0.03500	459.83	93.70		NC224	370.96	0.03500	460.72	89.76	
NC179	365.79	0.03500	459.83	94.04		NC225	371.63	0.03500	460.76	89.13	
NC180	365.78	0.31200	459.92	94.14		NC226	372.16	0.03500	460.80	88.64	
NC181	365.44	0.34200	459.89	94.45		NC227	372.52	0.03500	460.84	88.32	
NC182	365.09	0.01750	459.80	94.71		NC228	366.31	0.01750	460.75	94.44	
NC183	364.86	0.03500	459.80	94.94		NC229	366.81	0.03500	460.80	93.99	
NC184	364.45	0.03500	459.80	95.35		NC230	367.41	0.03500	460.86	93.45	
NC185	364.03	0.03500	459.80	95.77		NC231	368.03	0.03500	460.92	92.89	
NC186	363.60	0.03500	459.80	96.20		NC232	368.64	0.03500	460.97	92.33	

NC233	369.25	0.03500	461.03	91.78		NT21	366.90	---	458.72	91.82	
NC234	369.86	0.03500	461.09	91.23		NT22	366.90	---	458.69	91.79	
NC235	370.47	0.03500	461.15	90.68		NT23	366.94	---	458.65	91.71	
NC236	371.08	0.03500	461.22	90.14		NT24	363.87	---	458.62	94.75	
NC237	366.11	0.03500	460.75	94.64		NT25	363.65	---	458.62	94.97	
NC238	366.53	0.03500	460.80	94.27		NT26	361.91	---	458.66	96.75	
NC239	367.07	0.03500	460.85	93.78		NT27	374.14	---	458.89	84.75	
NC240	367.61	0.03500	460.90	93.29		NT28	369.37	---	458.88	89.51	
NC241	368.14	0.03500	460.95	92.81		NT29	368.89	---	458.87	89.98	
NC242	368.68	0.03500	461.00	92.32		NT30	364.10	---	458.85	94.75	
NC243	369.22	0.03500	461.06	91.84		NT31	363.75	---	458.85	95.10	
NC244	369.75	0.03500	461.11	91.36		NT32	360.83	---	458.84	98.01	
NC245	370.30	0.03500	461.17	90.87		NT33	374.61	---	458.96	84.35	
NC246	370.83	0.03500	461.22	90.39		NT34	369.37	---	458.95	89.58	
NC247	371.28	0.03500	461.28	90.00		NT35	369.06	---	458.93	89.87	
NC248	371.56	0.03500	461.34	89.78		NT36	364.28	---	458.91	94.63	
NC249	365.25	0.03500	460.58	95.33		NT37	363.93	---	458.94	95.01	
NC250	365.57	0.03500	460.62	95.05		NT38	360.93	---	458.94	98.01	
NC251	365.80	0.03500	460.67	94.87		NT39	374.71	---	459.23	84.52	
NC252	366.04	0.03500	460.71	94.67		NT40	369.07	---	459.16	90.09	
NC253	366.49	0.03500	460.75	94.26		NT41	368.68	---	459.22	90.54	
NC254	366.49	0.03500	460.80	94.31		NT42	364.81	---	459.24	94.43	
NC255	366.72	0.03500	460.84	94.12		NT43	364.55	---	459.26	94.71	
NC256	366.95	0.03500	460.89	93.94		NT44	361.80	---	459.27	97.47	
NC257	367.17	0.03500	460.93	93.76		NT45	374.29	---	459.34	85.05	
NC258	367.41	0.03500	460.98	93.57		NT47	368.48	---	459.37	90.89	
NC259	367.80	0.03500	461.03	93.23		NT48	365.04	---	459.42	94.38	
NC260	368.43	0.03500	461.08	92.65		NT49	364.69	---	459.36	94.67	
NC261	369.82	0.03500	461.15	91.33		NT50	362.04	---	459.36	97.32	
NC262	373.66	0.03500	461.25	87.59		NT51	372.52	---	459.46	86.94	
NC263	371.40	0.51000	459.47	88.07		NT52	368.73	---	459.82	91.09	
NT2	372.45	---	458.93	86.48		NT53	368.27	---	459.83	91.56	
NT3	372.01	---	458.64	86.63		NT54	365.56	---	459.83	94.27	
NT4	371.07	---	458.55	87.48		NT55	365.31	---	459.80	94.49	
NT5	368.26	---	458.38	90.12		NT56	363.10	---	459.80	96.70	
NT6	367.91	---	458.37	90.46		NT57	371.55	---	459.41	87.86	
NT9	369.42	---	459.00	89.58		NT58	371.47	---	459.47	88.00	
NT10	369.45	---	458.96	89.51		NT59	372.97	---	460.11	87.14	
NT12	367.77	---	458.65	90.88		NT60	371.59	---	460.59	89.00	
NT13	367.69	---	458.59	90.90		NT61	371.24	---	460.62	89.38	
NT14	367.05	---	458.58	91.53		NT62	369.53	---	460.68	91.15	
NT15	364.66	---	458.49	93.83		NT63	369.37	---	460.67	91.30	
NT16	364.63	---	458.49	93.86		NT64	367.72	---	460.54	92.82	
NT17	362.43	---	458.47	96.04		NT65	367.34	---	460.54	93.20	
NT18	369.57	---	458.92	89.35		NT66	366.13	---	460.70	94.57	
NT19	369.11	---	458.80	89.69		NT67	365.80	---	460.70	94.90	

NT68	364.78	---	460.53	95.75	
NT69	373.66	---	461.28	87.62	
NT70	373.77	---	461.28	87.51	
NT71	373.51	---	460.86	87.35	
NT72	373.49	---	460.84	87.35	
NT73	372.87	---	460.83	87.96	
NT74	372.68	---	460.86	88.18	
NT75	371.82	---	461.31	89.49	
NT76	371.53	---	461.36	89.83	
NT80	371.67	---	461.43	89.76	
NT81	373.72	---	461.76	88.04	
NT97	374.35	---	458.94	84.59	
SG1	374.00	-74.42661	464.00	90.00	
SG2	371.68	-20.05641	461.68	90.00	
SG3	372.50	-31.78334	462.50	90.00	
SG4	371.00	-35.08161	461.00	90.00	

Combinación: H5+H6

Nudo	Cota m	Caudal dem. l/s	Alt. piez. m.c.a.	Pre. disp. m.c.a.	Coment.
BR39	364.92	0.00000	458.14	93.22	
BR48	366.95	0.00000	458.34	91.39	
BR52	364.07	0.00000	458.22	94.15	
BR64	365.00	2.50000	458.51	93.51	
BR65	366.77	0.00000	458.52	91.75	
BR88	365.71	0.00000	458.96	93.25	
BR89	367.02	0.00000	458.96	91.94	
BR92	370.26	0.00000	458.99	88.73	
BR93	371.68	0.00000	459.04	87.36	
BR99	372.39	0.00000	459.48	87.09	
BR107	365.38	0.00000	459.64	94.26	
BR115	369.55	0.00000	459.70	90.15	
H1	372.62	0.00000	458.92	86.30	
H2	368.64	0.00000	458.05	89.41	
H3	364.62	0.00000	457.95	93.33	
H4	369.25	0.00000	459.05	89.80	
H5	372.86	16.60000	458.03	85.17	
H6	368.22	16.60000	457.82	89.60	
H7	363.62	0.00000	458.41	94.79	
H8	361.47	0.00000	458.85	97.38	
H9	371.64	0.00000	459.49	87.85	
H10	369.83	0.00000	460.22	90.39	
H11	367.02	0.00000	460.25	93.23	
H12	373.31	0.00000	460.98	87.67	
H13	365.67	0.00000	460.53	94.86	

H14	372.42	0.00000	460.99	88.57	
NC1	372.76	0.28000	458.83	86.07	
NC2	372.81	0.28000	458.78	85.97	
NC3	372.67	0.28000	458.61	85.94	
NC4	372.40	0.28000	458.54	86.14	
NC5	370.61	0.66500	458.25	87.64	
NC6	370.12	0.66500	458.19	88.07	
NC7	369.56	0.66500	458.11	88.55	
NC8	369.10	0.66500	458.07	88.97	
NC9	367.53	0.82250	458.00	90.47	
NC10	365.75	0.82250	457.96	92.21	
NC11	365.44	0.82250	457.96	92.52	
NC12	364.46	0.82250	457.95	93.49	
NC13	364.41	0.82250	457.95	93.54	
NC14	363.64	0.82250	457.97	94.33	
NC15	363.47	0.82250	457.98	94.51	
NC16	362.60	0.82250	458.05	95.45	
NC17	370.49	7.00000	460.33	89.84	
NC18	369.40	7.00000	459.62	90.22	
NC19	371.64	7.00000	459.07	87.43	
NC20	369.92	7.00000	459.09	89.17	
NC21	371.44	0.28000	459.02	87.58	
NC22	370.40	0.28000	459.03	88.63	
NC23	370.25	0.28000	459.03	88.78	
NC24	369.25	0.28000	459.06	89.81	
NC25	369.39	0.28000	459.03	89.64	
NC26	367.78	0.28000	458.76	90.98	
NC27	367.68	0.28000	458.71	91.03	
NC28	367.61	0.28000	458.57	90.96	
NC29	371.65	0.28000	458.47	86.82	
NC30	369.33	0.28000	458.47	89.14	
NC31	368.80	0.28000	458.47	89.67	
NC32	367.62	0.28000	458.47	90.85	
NC33	370.42	0.66500	458.31	87.89	
NC34	368.68	0.66500	458.31	89.63	
NC35	368.20	0.66500	458.31	90.11	
NC36	367.63	0.66500	458.32	90.69	
NC37	367.41	0.66500	458.24	90.83	
NC38	365.81	0.66500	458.17	92.36	
NC39	365.45	0.66500	458.16	92.71	
NC40	364.38	0.66500	458.13	93.75	
NC41	367.94	0.66500	458.04	90.10	
NC42	366.13	0.66500	458.06	91.93	
NC43	365.82	0.66500	458.06	92.24	
NC44	364.83	0.66500	458.11	93.28	
NC45	367.31	0.82250	458.02	90.71	

NC46	365.83	0.82250	458.03	92.20	Pres. min.	NC92	374.21	0.01750	458.92	84.71	
NC47	365.61	0.82250	458.04	92.43		NC93	373.97	0.03500	458.90	84.93	
NC48	364.62	0.82250	458.10	93.48		NC94	373.42	0.03500	458.87	85.45	
NC49	364.50	0.82250	458.11	93.61		NC95	372.65	0.03500	458.85	86.20	
NC50	363.04	0.82250	458.09	95.05		NC96	371.84	0.03500	458.82	86.98	
NC51	362.80	0.82250	458.09	95.29		NC97	371.03	0.03500	458.80	87.77	
NC52	362.24	0.82250	458.10	95.86		NC98	370.24	0.03500	458.77	88.53	
NC53	368.81	0.57750	458.81	90.00		NC99	369.67	0.03500	458.75	89.08	
NC54	367.69	0.57750	458.65	90.96		NC100	368.62	0.01750	458.53	89.91	
NC55	367.63	0.57750	458.63	91.00		NC101	368.27	0.03500	458.52	90.25	
NC56	367.66	0.57750	458.53	90.87		NC102	367.51	0.03500	458.52	91.01	
NC57	366.80	0.57750	458.38	91.58		NC103	366.64	0.03500	458.52	91.88	
NC58	365.84	0.42000	458.22	92.38		NC104	365.74	0.03500	458.52	92.78	
NC59	364.23	0.42000	458.22	93.99		NC105	364.88	0.03500	458.51	93.63	
NC60	363.94	0.42000	458.22	94.28		NC106	364.27	0.03500	458.53	94.26	
NC61	363.25	0.73500	458.23	94.98		NC107	363.43	0.03500	458.58	95.15	
NC62	369.84	10.00000	459.04	89.20		NC108	362.99	0.03500	458.58	95.59	
NC63	372.47	10.00000	459.03	86.56		NC109	362.48	0.03500	458.58	96.10	
NC64	374.12	10.00000	459.03	84.91		NC110	361.95	0.03500	458.58	96.63	
NC65	374.94	7.00000	459.09	84.15		NC111	361.44	0.03500	458.58	97.14	
NC66	372.11	7.00000	459.28	87.17		NC112	361.41	0.03500	458.58	97.17	
NC67	371.49	0.15000	459.33	87.84		NC113	361.17	0.03500	458.58	97.41	
NC68	369.53	0.57750	458.73	89.20		NC114	361.16	0.01750	458.58	97.42	
NC69	371.51	0.57750	458.25	86.74		NC115	374.07	0.03500	459.13	85.06	
NC70	371.87	0.57750	458.18	86.31		NC116	373.47	0.03500	459.10	85.63	
NC71	373.84	0.57750	458.65	84.81		NC117	372.76	0.03500	459.07	86.31	
NC72	366.55	0.57750	458.42	91.87		NC118	372.06	0.03500	459.05	86.99	
NC73	366.68	0.57750	458.44	91.76		NC119	371.35	0.03500	459.02	87.67	
NC74	368.91	0.57750	458.56	89.65		NC120	370.64	0.03500	459.00	88.36	
NC75	366.60	0.42000	458.16	91.56		NC121	369.95	0.03500	458.98	89.03	
NC76	366.49	0.42000	458.03	91.54		NC122	369.45	0.03500	458.95	89.50	
NC77	367.84	0.42000	457.84	90.00		NC123	368.44	0.01750	458.96	90.52	
NC78	368.65	0.42000	458.16	89.51		NC124	368.13	0.03500	458.96	90.83	
NC79	363.44	0.42000	458.25	94.81		NC125	367.52	0.03500	458.96	91.44	
NC80	363.39	0.42000	458.35	94.96		NC126	366.86	0.03500	458.96	92.10	
NC81	363.78	0.42000	458.42	94.64		NC127	366.19	0.03500	458.96	92.77	
NC82	363.33	0.73500	458.33	95.00		NC128	365.57	0.03500	458.96	93.39	
NC83	373.71	0.57750	458.84	85.13		NC129	365.15	0.03500	458.96	93.81	
NC84	371.54	0.57750	458.70	87.16		NC130	364.36	0.03500	458.97	94.61	
NC85	370.98	0.57750	458.67	87.69		NC131	363.90	0.03500	458.97	95.07	
NC86	369.51	0.57750	458.60	89.09		NC132	363.34	0.03500	458.97	95.63	
NC87	367.98	0.42000	458.43	90.45		NC133	362.78	0.03500	458.98	96.20	
NC88	366.92	0.42000	458.43	91.51		NC134	362.22	0.03500	458.98	96.76	
NC89	365.58	0.42000	458.44	92.86		NC135	361.81	0.03500	458.98	97.17	
NC90	364.80	0.42000	458.44	93.64		NC136	361.66	0.03500	458.98	97.32	
NC91	363.14	0.73500	458.46	95.32		NC137	361.73	0.01750	458.98	97.25	

NC138	374.31	0.03500	459.31	85.00	Pres. máx.	NC184	364.45	0.03500	459.58	95.13	
NC139	373.90	0.03500	459.34	85.44		NC185	364.03	0.03500	459.58	95.55	
NC140	373.30	0.03500	459.38	86.08		NC186	363.60	0.03500	459.58	95.98	
NC141	372.59	0.03500	459.42	86.83		NC187	363.19	0.03500	459.58	96.39	
NC142	371.90	0.03500	459.46	87.56		NC188	362.95	0.03500	459.58	96.63	
NC143	371.20	0.03500	459.50	88.30		NC189	362.96	0.03500	459.58	96.62	
NC144	370.48	0.03500	459.54	89.06		NC190	372.76	0.01750	460.37	87.61	
NC145	369.79	0.03500	459.58	89.79		NC191	372.38	0.03500	460.45	88.07	
NC146	369.27	0.03500	459.62	90.35		NC192	370.71	0.31200	460.40	89.69	
NC147	368.30	0.01750	459.12	90.82		NC193	364.52	0.34200	460.27	95.75	
NC148	367.96	0.03500	459.13	91.17		NC194	372.86	0.03500	460.38	87.52	
NC149	367.36	0.03500	459.13	91.77		NC195	373.17	0.03500	460.56	87.39	
NC150	366.70	0.03500	459.14	92.44		NC196	373.32	0.03500	460.68	87.36	
NC151	366.03	0.03500	459.14	93.11		NC197	373.38	0.03500	460.80	87.42	
NC152	365.39	0.03500	459.15	93.76		NC198	373.24	0.03500	460.92	87.68	
NC153	364.97	0.03500	459.16	94.19		NC199	373.03	0.03500	460.97	87.94	
NC154	364.29	0.01750	459.09	94.80		NC200	371.84	0.03500	460.70	88.86	
NC155	363.98	0.03500	459.09	95.11		NC201	372.57	0.03500	460.88	88.31	
NC156	363.46	0.03500	459.09	95.63		NC202	373.22	0.03500	461.05	87.83	
NC157	362.89	0.03500	459.09	96.20		NC203	373.77	0.03500	461.23	87.46	
NC158	362.33	0.03500	459.09	96.76		NC204	370.52	0.03500	460.64	90.12	
NC159	361.81	0.03500	459.09	97.28		NC205	371.56	0.03500	460.68	89.12	
NC160	361.53	0.03500	459.09	97.56		NC206	372.55	0.03500	460.72	88.17	
NC161	361.49	0.03500	459.09	97.60		NC207	373.27	0.03500	460.75	87.48	
NC162	371.80	0.01750	459.50	87.70		NC208	369.71	0.03500	460.61	90.90	
NC163	371.53	0.03500	459.52	87.99		NC209	370.43	0.03500	460.64	90.21	
NC164	371.21	0.03500	459.55	88.34		NC210	371.27	0.03500	460.66	89.39	
NC165	370.89	0.03500	459.58	88.69		NC211	372.16	0.03500	460.69	88.53	
NC166	370.57	0.03500	459.61	89.04		NC212	372.87	0.03500	460.72	87.85	
NC167	370.26	0.03500	459.64	89.38		NC213	373.26	0.01750	460.74	87.48	
NC168	369.93	0.03500	459.67	89.74		NC214	368.79	0.03500	460.49	91.70	
NC169	369.61	0.03500	459.70	90.09		NC215	369.58	0.03500	460.53	90.95	
NC170	369.29	0.03500	459.73	90.44		NC216	370.41	0.03500	460.58	90.17	
NC171	368.99	0.03500	459.76	90.77		NC217	371.22	0.03500	460.63	89.41	
NC172	369.01	0.51000	459.89	90.88		NC218	371.95	0.03500	460.68	88.73	
NC173	368.03	0.01750	459.64	91.61		NC219	372.42	0.01750	460.73	88.31	
NC174	367.80	0.03500	459.64	91.84		NC220	368.22	0.03500	460.46	92.24	
NC175	367.39	0.03500	459.64	92.25		NC221	368.88	0.03500	460.50	91.62	
NC176	366.97	0.03500	459.64	92.67		NC222	369.55	0.03500	460.54	90.99	
NC177	366.55	0.03500	459.64	93.09		NC223	370.25	0.03500	460.58	90.33	
NC178	366.13	0.03500	459.64	93.51		NC224	370.96	0.03500	460.63	89.67	
NC179	365.79	0.03500	459.64	93.85		NC225	371.63	0.03500	460.67	89.04	
NC180	365.78	0.31200	459.74	93.96		NC226	372.16	0.03500	460.72	88.56	
NC181	365.44	0.34200	459.69	94.25		NC227	372.52	0.03500	460.76	88.24	
NC182	365.09	0.01750	459.58	94.49		NC228	366.31	0.01750	460.66	94.35	
NC183	364.86	0.03500	459.58	94.72		NC229	366.81	0.03500	460.71	93.90	

NC230	367.41	0.03500	460.78	93.37		NT17	362.43	---	458.10	95.67	
NC231	368.03	0.03500	460.84	92.81		NT18	369.57	---	459.06	89.49	
NC232	368.64	0.03500	460.91	92.27		NT19	369.11	---	458.85	89.74	
NC233	369.25	0.03500	460.97	91.72		NT21	366.90	---	458.38	91.48	
NC234	369.86	0.03500	461.04	91.18		NT22	366.90	---	458.22	91.32	
NC235	370.47	0.03500	461.10	90.63		NT23	366.94	---	458.22	91.28	
NC236	371.08	0.03500	461.17	90.09		NT24	363.87	---	458.23	94.36	
NC237	366.11	0.03500	460.65	94.54		NT25	363.65	---	458.23	94.58	
NC238	366.53	0.03500	460.71	94.18		NT26	361.91	---	458.29	96.38	
NC239	367.07	0.03500	460.76	93.69		NT27	374.14	---	458.91	84.77	
NC240	367.61	0.03500	460.82	93.21		NT28	369.37	---	458.59	89.22	
NC241	368.14	0.03500	460.88	92.74		NT29	368.89	---	458.43	89.54	
NC242	368.68	0.03500	460.94	92.26		NT30	364.10	---	458.46	94.36	
NC243	369.22	0.03500	460.99	91.77		NT31	363.75	---	458.47	94.72	
NC244	369.75	0.03500	461.05	91.30		NT32	360.83	---	458.46	97.63	
NC245	370.30	0.03500	461.12	90.82		NT33	374.61	---	458.93	84.32	
NC246	370.83	0.03500	461.18	90.35		NT34	369.37	---	458.73	89.36	
NC247	371.28	0.03500	461.24	89.96		NT35	369.06	---	458.53	89.47	
NC248	371.56	0.03500	461.30	89.74		NT36	364.28	---	458.53	94.25	
NC249	365.25	0.03500	460.47	95.22		NT37	363.93	---	458.58	94.65	
NC250	365.57	0.03500	460.51	94.94		NT38	360.93	---	458.58	97.65	
NC251	365.80	0.03500	460.56	94.76		NT39	374.71	---	459.16	84.45	
NC252	366.04	0.03500	460.61	94.57		NT40	369.07	---	458.93	89.86	
NC253	366.49	0.03500	460.66	94.17		NT41	368.68	---	458.96	90.28	
NC254	366.49	0.03500	460.71	94.22		NT42	364.81	---	458.96	94.15	
NC255	366.72	0.03500	460.76	94.04		NT43	364.55	---	458.97	94.42	
NC256	366.95	0.03500	460.81	93.86		NT44	361.80	---	458.98	97.18	
NC257	367.17	0.03500	460.86	93.69		NT45	374.29	---	459.29	85.00	
NC258	367.41	0.03500	460.91	93.50		NT47	368.48	---	459.12	90.64	
NC259	367.80	0.03500	460.96	93.16		NT48	365.04	---	459.17	94.13	
NC260	368.43	0.03500	461.02	92.59		NT49	364.69	---	459.09	94.40	
NC261	369.82	0.03500	461.10	91.28		NT50	362.04	---	459.09	97.05	
NC262	373.66	0.03500	461.22	87.56		NT51	372.52	---	459.47	86.95	
NC263	371.40	0.51000	459.51	88.11		NT52	368.73	---	459.79	91.06	
NT2	372.45	---	459.02	86.57		NT53	368.27	---	459.64	91.37	
NT3	372.01	---	458.48	86.47		NT54	365.56	---	459.64	94.08	
NT4	371.07	---	458.32	87.25		NT55	365.31	---	459.58	94.27	
NT5	368.26	---	458.04	89.78		NT56	363.10	---	459.58	96.48	
NT6	367.91	---	458.02	90.11		NT57	371.55	---	459.47	87.92	
NT9	369.42	---	459.11	89.69		NT58	371.47	---	459.51	88.04	
NT10	369.45	---	459.06	89.61		NT59	372.97	---	460.11	87.14	
NT12	367.77	---	458.47	90.70		NT60	371.59	---	460.53	88.94	
NT13	367.69	---	458.33	90.64		NT61	371.24	---	460.55	89.31	
NT14	367.05	---	458.22	91.17		NT62	369.53	---	460.59	91.06	
NT15	364.66	---	458.13	93.47		NT63	369.37	---	460.59	91.22	
NT16	364.63	---	458.12	93.49		NT64	367.72	---	460.43	92.71	

NT65	367.34	---	460.43	93.09	
NT66	366.13	---	460.61	94.48	
NT67	365.80	---	460.61	94.81	
NT68	364.78	---	460.41	95.63	
NT69	373.66	---	461.25	87.59	
NT70	373.77	---	461.23	87.46	
NT71	373.51	---	460.78	87.27	
NT72	373.49	---	460.76	87.27	
NT73	372.87	---	460.75	87.88	
NT74	372.68	---	460.78	88.10	
NT75	371.82	---	461.28	89.46	
NT76	371.53	---	461.33	89.80	
NT80	371.67	---	461.41	89.74	
NT81	373.72	---	461.74	88.02	
NT97	374.35	---	459.04	84.69	
SG1	374.00	-73.52569	464.00	90.00	
SG2	371.68	-21.10249	461.68	90.00	
SG3	372.50	-32.32394	462.50	90.00	
SG4	371.00	-34.39586	461.00	90.00	

Combinación: H6+H7

Nudo	Cota m	Caudal dem. l/s	Alt. piez. m.c.a.	Pre. disp. m.c.a.	Coment.
BR39	364.92	0.00000	457.51	92.59	
BR48	366.95	0.00000	457.98	91.03	
BR52	364.07	0.00000	457.52	93.45	
BR64	365.00	2.50000	457.94	92.94	
BR65	366.77	0.00000	457.97	91.20	
BR88	365.71	0.00000	458.55	92.84	
BR89	367.02	0.00000	458.57	91.55	
BR92	370.26	0.00000	458.76	88.50	
BR93	371.68	0.00000	458.88	87.20	
BR99	372.39	0.00000	459.53	87.14	
BR107	365.38	0.00000	459.32	93.94	
BR115	369.55	0.00000	459.72	90.17	
H1	372.62	0.00000	458.95	86.33	
H2	368.64	0.00000	457.42	88.78	
H3	364.62	0.00000	457.28	92.66	
H4	369.25	0.00000	459.19	89.94	
H5	372.86	0.00000	459.08	86.22	
H6	368.22	16.60000	457.33	89.11	
H7	363.62	16.60000	457.31	93.69	
H8	361.47	0.00000	458.32	96.85	
H9	371.64	0.00000	459.55	87.91	
H10	369.83	0.00000	460.07	90.24	

H11	367.02	0.00000	460.05	93.03	
H12	373.31	0.00000	460.95	87.64	
H13	365.67	0.00000	460.37	94.70	
H14	372.42	0.00000	460.91	88.49	
NC1	372.76	0.28000	458.80	86.04	
NC2	372.81	0.28000	458.72	85.91	
NC3	372.67	0.28000	458.46	85.79	
NC4	372.40	0.28000	458.33	85.93	
NC5	370.61	0.66500	457.84	87.23	
NC6	370.12	0.66500	457.73	87.61	
NC7	369.56	0.66500	457.57	88.01	
NC8	369.10	0.66500	457.47	88.37	
NC9	367.53	0.82250	457.35	89.82	
NC10	365.75	0.82250	457.29	91.54	
NC11	365.44	0.82250	457.28	91.84	
NC12	364.46	0.82250	457.28	92.82	
NC13	364.41	0.82250	457.28	92.87	
NC14	363.64	0.82250	457.29	93.65	
NC15	363.47	0.82250	457.29	93.82	
NC16	362.60	0.82250	457.35	94.75	
NC17	370.49	7.00000	460.41	89.92	
NC18	369.40	7.00000	459.72	90.32	
NC19	371.64	7.00000	459.18	87.54	
NC20	369.92	7.00000	459.21	89.29	
NC21	371.44	0.28000	459.10	87.66	
NC22	370.40	0.28000	459.12	88.72	
NC23	370.25	0.28000	459.12	88.87	
NC24	369.25	0.28000	459.15	89.90	
NC25	369.39	0.28000	459.10	89.71	
NC26	367.78	0.28000	458.68	90.90	
NC27	367.68	0.28000	458.61	90.93	
NC28	367.61	0.28000	458.38	90.77	
NC29	371.65	0.28000	458.23	86.58	
NC30	369.33	0.28000	458.22	88.89	
NC31	368.80	0.28000	458.22	89.42	
NC32	367.62	0.28000	458.22	90.60	
NC33	370.42	0.66500	457.96	87.54	
NC34	368.68	0.66500	457.96	89.28	
NC35	368.20	0.66500	457.96	89.76	
NC36	367.63	0.66500	457.96	90.33	
NC37	367.41	0.66500	457.76	90.35	
NC38	365.81	0.66500	457.60	91.79	
NC39	365.45	0.66500	457.57	92.12	
NC40	364.38	0.66500	457.46	93.08	
NC41	367.94	0.66500	457.40	89.46	
NC42	366.13	0.66500	457.41	91.28	

NC43	365.82	0.66500	457.41	91.59	Pres. min.	NC89	365.58	0.42000	457.82	92.24	
NC44	364.83	0.66500	457.43	92.60		NC90	364.80	0.42000	457.80	93.00	
NC45	367.31	0.82250	457.37	90.06		NC91	363.14	0.73500	457.74	94.60	
NC46	365.83	0.82250	457.37	91.54		NC92	374.21	0.01750	459.06	84.85	
NC47	365.61	0.82250	457.37	91.76		NC93	373.97	0.03500	459.00	85.03	
NC48	364.62	0.82250	457.40	92.78		NC94	373.42	0.03500	458.93	85.51	
NC49	364.50	0.82250	457.41	92.91		NC95	372.65	0.03500	458.85	86.20	
NC50	363.04	0.82250	457.39	94.35		NC96	371.84	0.03500	458.78	86.94	
NC51	362.80	0.82250	457.39	94.59		NC97	371.03	0.03500	458.70	87.67	
NC52	362.24	0.82250	457.39	95.15		NC98	370.24	0.03500	458.63	88.39	
NC53	368.81	0.57750	459.00	90.19		NC99	369.67	0.03500	458.56	88.89	
NC54	367.69	0.57750	458.68	90.99		NC100	368.62	0.01750	458.02	89.40	
NC55	367.63	0.57750	458.64	91.01		NC101	368.27	0.03500	458.01	89.74	
NC56	367.66	0.57750	458.43	90.77		NC102	367.51	0.03500	457.99	90.48	
NC57	366.80	0.57750	458.08	91.28		NC103	366.64	0.03500	457.97	91.33	
NC58	365.84	0.42000	457.64	91.80		NC104	365.74	0.03500	457.96	92.22	
NC59	364.23	0.42000	457.54	93.31		NC105	364.88	0.03500	457.94	93.06	
NC60	363.94	0.42000	457.50	93.56		NC106	364.27	0.03500	457.94	93.67	
NC61	363.25	0.73500	457.46	94.21		NC107	363.43	0.03500	457.92	94.49	
NC62	369.84	10.00000	459.17	89.33		NC108	362.99	0.03500	457.92	94.93	
NC63	372.47	10.00000	459.17	86.70		NC109	362.48	0.03500	457.92	95.44	
NC64	374.12	10.00000	459.17	85.05		NC110	361.95	0.03500	457.92	95.97	
NC65	374.94	7.00000	459.22	84.28		NC111	361.44	0.03500	457.92	96.48	
NC66	372.11	7.00000	459.39	87.28		NC112	361.41	0.03500	457.92	96.51	
NC67	371.49	0.15000	459.44	87.95		NC113	361.17	0.03500	457.92	96.75	
NC68	369.53	0.57750	459.07	89.54		NC114	361.16	0.01750	457.92	96.76	
NC69	371.51	0.57750	459.07	87.56		NC115	374.07	0.03500	459.11	85.04	
NC70	371.87	0.57750	459.07	87.20		NC116	373.47	0.03500	459.04	85.57	
NC71	373.84	0.57750	459.09	85.25		NC117	372.76	0.03500	458.98	86.22	
NC72	366.55	0.57750	458.11	91.56		NC118	372.06	0.03500	458.91	86.85	
NC73	366.68	0.57750	458.14	91.46		NC119	371.35	0.03500	458.85	87.50	
NC74	368.91	0.57750	458.27	89.36		NC120	370.64	0.03500	458.79	88.15	
NC75	366.60	0.42000	457.67	91.07		NC121	369.95	0.03500	458.73	88.78	
NC76	366.49	0.42000	457.54	91.05		NC122	369.45	0.03500	458.67	89.22	
NC77	367.84	0.42000	457.35	89.51		NC123	368.44	0.01750	458.60	90.16	
NC78	368.65	0.42000	457.67	89.02		NC124	368.13	0.03500	458.59	90.46	
NC79	363.44	0.42000	457.52	94.08		NC125	367.52	0.03500	458.58	91.06	
NC80	363.39	0.42000	457.66	94.27		NC126	366.86	0.03500	458.57	91.71	
NC81	363.78	0.42000	457.73	93.95		NC127	366.19	0.03500	458.56	92.37	
NC82	363.33	0.73500	457.35	94.02		NC128	365.57	0.03500	458.54	92.97	
NC83	373.71	0.57750	458.94	85.23		NC129	365.15	0.03500	458.53	93.38	
NC84	371.54	0.57750	458.61	87.07		NC130	364.36	0.03500	458.52	94.16	
NC85	370.98	0.57750	458.54	87.56		NC131	363.90	0.03500	458.52	94.62	
NC86	369.51	0.57750	458.34	88.83		NC132	363.34	0.03500	458.52	95.18	
NC87	367.98	0.42000	457.88	89.90		NC133	362.78	0.03500	458.52	95.74	
NC88	366.92	0.42000	457.84	90.92		NC134	362.22	0.03500	458.52	96.30	

NC135	361.81	0.03500	458.52	96.71	Pres. máx.	NC181	365.44	0.34200	459.38	93.94	
NC136	361.66	0.03500	458.52	96.86		NC182	365.09	0.01750	459.25	94.16	
NC137	361.73	0.01750	458.52	96.79		NC183	364.86	0.03500	459.25	94.39	
NC138	374.31	0.03500	459.34	85.03		NC184	364.45	0.03500	459.25	94.80	
NC139	373.90	0.03500	459.37	85.47		NC185	364.03	0.03500	459.25	95.22	
NC140	373.30	0.03500	459.41	86.11		NC186	363.60	0.03500	459.25	95.65	
NC141	372.59	0.03500	459.44	86.85		NC187	363.19	0.03500	459.25	96.06	
NC142	371.90	0.03500	459.48	87.58		NC188	362.95	0.03500	459.25	96.30	
NC143	371.20	0.03500	459.51	88.31		NC189	362.96	0.03500	459.25	96.29	
NC144	370.48	0.03500	459.55	89.07		NC190	372.76	0.01750	460.33	87.57	
NC145	369.79	0.03500	459.59	89.80		NC191	372.38	0.03500	460.40	88.02	
NC146	369.27	0.03500	459.63	90.36		NC192	370.71	0.31200	460.28	89.57	
NC147	368.30	0.01750	458.78	90.48		NC193	364.52	0.34200	460.06	95.54	
NC148	367.96	0.03500	458.79	90.83		NC194	372.86	0.03500	460.38	87.52	
NC149	367.36	0.03500	458.79	91.43		NC195	373.17	0.03500	460.55	87.38	
NC150	366.70	0.03500	458.79	92.09		NC196	373.32	0.03500	460.67	87.35	
NC151	366.03	0.03500	458.80	92.77		NC197	373.38	0.03500	460.78	87.40	
NC152	365.39	0.03500	458.80	93.41		NC198	373.24	0.03500	460.90	87.66	
NC153	364.97	0.03500	458.80	93.83		NC199	373.03	0.03500	460.92	87.89	
NC154	364.29	0.01750	458.65	94.36		NC200	371.84	0.03500	460.62	88.78	
NC155	363.98	0.03500	458.65	94.67		NC201	372.57	0.03500	460.80	88.23	
NC156	363.46	0.03500	458.65	95.19		NC202	373.22	0.03500	460.99	87.77	
NC157	362.89	0.03500	458.65	95.76		NC203	373.77	0.03500	461.17	87.40	
NC158	362.33	0.03500	458.65	96.32		NC204	370.52	0.03500	460.54	90.02	
NC159	361.81	0.03500	458.65	96.84		NC205	371.56	0.03500	460.58	89.02	
NC160	361.53	0.03500	458.65	97.12		NC206	372.55	0.03500	460.62	88.07	
NC161	361.49	0.03500	458.65	97.16		NC207	373.27	0.03500	460.65	87.38	
NC162	371.80	0.01750	459.55	87.75		NC208	369.71	0.03500	460.50	90.79	
NC163	371.53	0.03500	459.57	88.04		NC209	370.43	0.03500	460.53	90.10	
NC164	371.21	0.03500	459.59	88.38		NC210	371.27	0.03500	460.56	89.29	
NC165	370.89	0.03500	459.61	88.72		NC211	372.16	0.03500	460.59	88.43	
NC166	370.57	0.03500	459.64	89.07		NC212	372.87	0.03500	460.62	87.75	
NC167	370.26	0.03500	459.66	89.40		NC213	373.26	0.01750	460.64	87.38	
NC168	369.93	0.03500	459.69	89.76		NC214	368.79	0.03500	460.34	91.55	
NC169	369.61	0.03500	459.71	90.10		NC215	369.58	0.03500	460.40	90.82	
NC170	369.29	0.03500	459.74	90.45		NC216	370.41	0.03500	460.45	90.04	
NC171	368.99	0.03500	459.77	90.78		NC217	371.22	0.03500	460.51	89.29	
NC172	369.01	0.51000	459.88	90.87		NC218	371.95	0.03500	460.56	88.61	
NC173	368.03	0.01750	459.38	91.35		NC219	372.42	0.01750	460.62	88.20	
NC174	367.80	0.03500	459.38	91.58		NC220	368.22	0.03500	460.31	92.09	
NC175	367.39	0.03500	459.38	91.99		NC221	368.88	0.03500	460.36	91.48	
NC176	366.97	0.03500	459.38	92.41		NC222	369.55	0.03500	460.40	90.85	
NC177	366.55	0.03500	459.38	92.83		NC223	370.25	0.03500	460.45	90.20	
NC178	366.13	0.03500	459.38	93.25		NC224	370.96	0.03500	460.50	89.54	
NC179	365.79	0.03500	459.38	93.59		NC225	371.63	0.03500	460.55	88.92	
NC180	365.78	0.31200	459.49	93.71		NC226	372.16	0.03500	460.60	88.44	

NC227	372.52	0.03500	460.65	88.13		NT14	367.05	---	457.72	90.67	
NC228	366.31	0.01750	460.52	94.21		NT15	364.66	---	457.44	92.78	
NC229	366.81	0.03500	460.59	93.78		NT16	364.63	---	457.42	92.79	
NC230	367.41	0.03500	460.66	93.25		NT17	362.43	---	457.40	94.97	
NC231	368.03	0.03500	460.73	92.70		NT18	369.57	---	459.19	89.62	
NC232	368.64	0.03500	460.81	92.17		NT19	369.11	---	459.07	89.96	
NC233	369.25	0.03500	460.88	91.63		NT21	366.90	---	458.07	91.17	
NC234	369.86	0.03500	460.95	91.09		NT22	366.90	---	457.74	90.84	
NC235	370.47	0.03500	461.03	90.56		NT23	366.94	---	457.72	90.78	
NC236	371.08	0.03500	461.11	90.03		NT24	363.87	---	457.49	93.62	
NC237	366.11	0.03500	460.52	94.41		NT25	363.65	---	457.44	93.79	
NC238	366.53	0.03500	460.58	94.05		NT26	361.91	---	457.57	95.66	
NC239	367.07	0.03500	460.64	93.57		NT27	374.14	---	459.10	84.96	
NC240	367.61	0.03500	460.71	93.10		NT28	369.37	---	458.31	88.94	
NC241	368.14	0.03500	460.77	92.63		NT29	368.89	---	457.93	89.04	
NC242	368.68	0.03500	460.84	92.16		NT30	364.10	---	457.79	93.69	
NC243	369.22	0.03500	460.91	91.69		NT31	363.75	---	457.74	93.99	
NC244	369.75	0.03500	460.97	91.22		NT32	360.83	---	457.76	96.93	
NC245	370.30	0.03500	461.04	90.74		NT33	374.61	---	459.08	84.47	
NC246	370.83	0.03500	461.11	90.28		NT34	369.37	---	458.49	89.12	
NC247	371.28	0.03500	461.18	89.90		NT35	369.06	---	458.03	88.97	
NC248	371.56	0.03500	461.25	89.69		NT36	364.28	---	457.94	93.66	
NC249	365.25	0.03500	460.30	95.05		NT37	363.93	---	457.92	93.99	
NC250	365.57	0.03500	460.35	94.78		NT38	360.93	---	457.92	96.99	
NC251	365.80	0.03500	460.40	94.60		NT39	374.71	---	459.19	84.48	
NC252	366.04	0.03500	460.46	94.42		NT40	369.07	---	458.62	89.55	
NC253	366.49	0.03500	460.52	94.03		NT41	368.68	---	458.61	89.93	
NC254	366.49	0.03500	460.57	94.08		NT42	364.81	---	458.53	93.72	
NC255	366.72	0.03500	460.63	93.91		NT43	364.55	---	458.52	93.97	
NC256	366.95	0.03500	460.69	93.74		NT44	361.80	---	458.52	96.72	
NC257	367.17	0.03500	460.75	93.58		NT45	374.29	---	459.32	85.03	
NC258	367.41	0.03500	460.81	93.40		NT47	368.48	---	458.78	90.30	
NC259	367.80	0.03500	460.87	93.07		NT48	365.04	---	458.81	93.77	
NC260	368.43	0.03500	460.93	92.50		NT49	364.69	---	458.65	93.96	
NC261	369.82	0.03500	461.02	91.20		NT50	362.04	---	458.65	96.61	
NC262	373.66	0.03500	461.19	87.53		NT51	372.52	---	459.52	87.00	
NC263	371.40	0.51000	459.59	88.19		NT52	368.73	---	459.79	91.06	
NT2	372.45	---	459.10	86.65		NT53	368.27	---	459.39	91.12	
NT3	372.01	---	458.23	86.22		NT54	365.56	---	459.38	93.82	
NT4	371.07	---	457.96	86.89		NT55	365.31	---	459.25	93.94	
NT5	368.26	---	457.40	89.14		NT56	363.10	---	459.25	96.15	
NT6	367.91	---	457.37	89.46		NT57	371.55	---	459.56	88.01	
NT9	369.42	---	459.23	89.81		NT58	371.47	---	459.59	88.12	
NT10	369.45	---	459.16	89.71		NT59	372.97	---	460.13	87.16	
NT12	367.77	---	458.22	90.45		NT60	371.59	---	460.46	88.87	
NT13	367.69	---	457.97	90.28		NT61	371.24	---	460.46	89.22	

NT62	369.53	---	460.49	90.96
NT63	369.37	---	460.48	91.11
NT64	367.72	---	460.27	92.55
NT65	367.34	---	460.27	92.93
NT66	366.13	---	460.46	94.33
NT67	365.80	---	460.46	94.66
NT68	364.78	---	460.23	95.45
NT69	373.66	---	461.22	87.56
NT70	373.77	---	461.18	87.41
NT71	373.51	---	460.69	87.18
NT72	373.49	---	460.66	87.17
NT73	372.87	---	460.65	87.78
NT74	372.68	---	460.68	88.00
NT75	371.82	---	461.22	89.40
NT76	371.53	---	461.28	89.75
NT80	371.67	---	461.37	89.70
NT81	373.72	---	461.71	87.99
NT97	374.35	---	459.18	84.83
SG1	374.00	-72.62208	464.00	90.00
SG2	371.68	-22.51031	461.68	90.00
SG3	372.50	-32.95088	462.50	90.00
SG4	371.00	-33.26471	461.00	90.00

Combinación: H10+H11

Nudo	Cota m	Caudal dem. l/s	Alt. piez. m.c.a.	Pre. disp. m.c.a.	Coment.
BR39	364.92	0.00000	458.64	93.72	
BR48	366.95	0.00000	458.96	92.01	
BR52	364.07	0.00000	458.68	94.61	
BR64	365.00	2.50000	458.83	93.83	
BR65	366.77	0.00000	458.87	92.10	
BR88	365.71	0.00000	458.98	93.27	
BR89	367.02	0.00000	459.00	91.98	
BR92	370.26	0.00000	459.19	88.93	
BR93	371.68	0.00000	459.28	87.60	
BR99	372.39	0.00000	459.73	87.34	
BR107	365.38	0.00000	459.01	93.63	
BR115	369.55	0.00000	459.80	90.25	
H1	372.62	0.00000	459.41	86.79	
H2	368.64	0.00000	458.52	89.88	
H3	364.62	0.00000	458.40	93.78	
H4	369.25	0.00000	459.55	90.30	
H5	372.86	0.00000	459.46	86.60	
H6	368.22	0.00000	458.91	90.69	
H7	363.62	0.00000	458.75	95.13	

H8	361.47	0.00000	458.90	97.43
H9	371.64	0.00000	459.75	88.11
H10	369.83	16.60000	459.04	89.21
H11	367.02	16.60000	459.01	91.99
H12	373.31	0.00000	460.83	87.52
H13	365.67	0.00000	460.15	94.48
H14	372.42	0.00000	460.63	88.21
NC1	372.76	0.28000	459.33	86.57
NC2	372.81	0.28000	459.28	86.47
NC3	372.67	0.28000	459.12	86.45
NC4	372.40	0.28000	459.05	86.65
NC5	370.61	0.66500	458.76	88.15
NC6	370.12	0.66500	458.69	88.57
NC7	369.56	0.66500	458.60	89.04
NC8	369.10	0.66500	458.54	89.44
NC9	367.53	0.82250	458.47	90.94
NC10	365.75	0.82250	458.41	92.66
NC11	365.44	0.82250	458.41	92.97
NC12	364.46	0.82250	458.40	93.94
NC13	364.41	0.82250	458.40	93.99
NC14	363.64	0.82250	458.41	94.77
NC15	363.47	0.82250	458.42	94.95
NC16	362.60	0.82250	458.48	95.88
NC17	370.49	7.00000	460.68	90.19
NC18	369.40	7.00000	460.05	90.65
NC19	371.64	7.00000	459.55	87.91
NC20	369.92	7.00000	459.58	89.66
NC21	371.44	0.28000	459.51	88.07
NC22	370.40	0.28000	459.52	89.12
NC23	370.25	0.28000	459.52	89.27
NC24	369.25	0.28000	459.55	90.30
NC25	369.39	0.28000	459.51	90.12
NC26	367.78	0.28000	459.26	91.48
NC27	367.68	0.28000	459.22	91.54
NC28	367.61	0.28000	459.08	91.47
NC29	371.65	0.28000	458.99	87.34
NC30	369.33	0.28000	458.99	89.66
NC31	368.80	0.28000	458.99	90.19
NC32	367.62	0.28000	458.99	91.37
NC33	370.42	0.66500	458.84	88.42
NC34	368.68	0.66500	458.84	90.16
NC35	368.20	0.66500	458.84	90.64
NC36	367.63	0.66500	458.86	91.23
NC37	367.41	0.66500	458.81	91.40
NC38	365.81	0.66500	458.70	92.89
NC39	365.45	0.66500	458.68	93.23

NC40	364.38	0.66500	458.60	94.22	Pres. min.	NC86	369.51	0.57750	459.06	89.55	Pres. máx.
NC41	367.94	0.66500	458.51	90.57		NC87	367.98	0.42000	458.88	90.90	
NC42	366.13	0.66500	458.52	92.39		NC88	366.92	0.42000	458.85	91.93	
NC43	365.82	0.66500	458.53	92.71		NC89	365.58	0.42000	458.82	93.24	
NC44	364.83	0.66500	458.57	93.74		NC90	364.80	0.42000	458.81	94.01	
NC45	367.31	0.82250	458.48	91.17		NC91	363.14	0.73500	458.78	95.64	
NC46	365.83	0.82250	458.49	92.66		NC92	374.21	0.01750	459.44	85.23	
NC47	365.61	0.82250	458.50	92.89		NC93	373.97	0.03500	459.41	85.44	
NC48	364.62	0.82250	458.56	93.94		NC94	373.42	0.03500	459.36	85.94	
NC49	364.50	0.82250	458.56	94.06		NC95	372.65	0.03500	459.31	86.66	
NC50	363.04	0.82250	458.53	95.49		NC96	371.84	0.03500	459.27	87.43	
NC51	362.80	0.82250	458.52	95.72		NC97	371.03	0.03500	459.22	88.19	
NC52	362.24	0.82250	458.52	96.28		NC98	370.24	0.03500	459.18	88.94	
NC53	368.81	0.57750	459.43	90.62		NC99	369.67	0.03500	459.13	89.46	
NC54	367.69	0.57750	459.26	91.57		NC100	368.62	0.01750	458.92	90.30	
NC55	367.63	0.57750	459.24	91.61		NC101	368.27	0.03500	458.91	90.64	
NC56	367.66	0.57750	459.14	91.48		NC102	367.51	0.03500	458.89	91.38	
NC57	366.80	0.57750	458.98	92.18		NC103	366.64	0.03500	458.87	92.23	
NC58	365.84	0.42000	458.78	92.94		NC104	365.74	0.03500	458.85	93.11	
NC59	364.23	0.42000	458.70	94.47		NC105	364.88	0.03500	458.83	93.95	
NC60	363.94	0.42000	458.67	94.73		NC106	364.27	0.03500	458.83	94.56	
NC61	363.25	0.73500	458.66	95.41		NC107	363.43	0.03500	458.82	95.39	
NC62	369.84	10.00000	459.53	89.69		NC108	362.99	0.03500	458.82	95.83	
NC63	372.47	10.00000	459.52	87.05		NC109	362.48	0.03500	458.81	96.33	
NC64	374.12	10.00000	459.52	85.40		NC110	361.95	0.03500	458.81	96.86	
NC65	374.94	7.00000	459.55	84.61		NC111	361.44	0.03500	458.81	97.37	
NC66	372.11	7.00000	459.66	87.55		NC112	361.41	0.03500	458.81	97.40	
NC67	371.49	0.15000	459.70	88.21		NC113	361.17	0.03500	458.81	97.64	
NC68	369.53	0.57750	459.47	89.94		NC114	361.16	0.01750	458.81	97.65	
NC69	371.51	0.57750	459.46	87.95		NC115	374.07	0.03500	459.44	85.37	
NC70	371.87	0.57750	459.46	87.59		NC116	373.47	0.03500	459.40	85.93	
NC71	373.84	0.57750	459.47	85.63		NC117	372.76	0.03500	459.35	86.59	
NC72	366.55	0.57750	458.99	92.44		NC118	372.06	0.03500	459.30	87.24	
NC73	366.68	0.57750	458.99	92.31		NC119	371.35	0.03500	459.26	87.91	
NC74	368.91	0.57750	459.03	90.12		NC120	370.64	0.03500	459.22	88.58	
NC75	366.60	0.42000	458.89	92.29		NC121	369.95	0.03500	459.17	89.22	
NC76	366.49	0.42000	458.89	92.40		NC122	369.45	0.03500	459.13	89.68	
NC77	367.84	0.42000	458.91	91.07		NC123	368.44	0.01750	459.03	90.59	
NC78	368.65	0.42000	458.92	90.27		NC124	368.13	0.03500	459.02	90.89	
NC79	363.44	0.42000	458.68	95.24		NC125	367.52	0.03500	459.01	91.49	
NC80	363.39	0.42000	458.73	95.34		NC126	366.86	0.03500	459.00	92.14	
NC81	363.78	0.42000	458.77	94.99		NC127	366.19	0.03500	458.99	92.80	
NC82	363.33	0.73500	458.71	95.38		NC128	365.57	0.03500	458.98	93.41	
NC83	373.71	0.57750	459.38	85.67		NC129	365.15	0.03500	458.97	93.82	
NC84	371.54	0.57750	459.19	87.65		NC130	364.36	0.03500	458.95	94.59	
NC85	370.98	0.57750	459.16	88.18		NC131	363.90	0.03500	458.95	95.05	

NC132	363.34	0.03500	458.95	95.61
NC133	362.78	0.03500	458.95	96.17
NC134	362.22	0.03500	458.95	96.73
NC135	361.81	0.03500	458.95	97.14
NC136	361.66	0.03500	458.95	97.29
NC137	361.73	0.01750	458.95	97.22
NC138	374.31	0.03500	459.59	85.28
NC139	373.90	0.03500	459.61	85.71
NC140	373.30	0.03500	459.62	86.32
NC141	372.59	0.03500	459.64	87.05
NC142	371.90	0.03500	459.66	87.76
NC143	371.20	0.03500	459.68	88.48
NC144	370.48	0.03500	459.70	89.22
NC145	369.79	0.03500	459.72	89.93
NC146	369.27	0.03500	459.74	90.47
NC147	368.30	0.01750	459.04	90.74
NC148	367.96	0.03500	459.04	91.08
NC149	367.36	0.03500	459.04	91.68
NC150	366.70	0.03500	459.04	92.34
NC151	366.03	0.03500	459.04	93.01
NC152	365.39	0.03500	459.04	93.65
NC153	364.97	0.03500	459.04	94.07
NC154	364.29	0.01750	458.97	94.68
NC155	363.98	0.03500	458.97	94.99
NC156	363.46	0.03500	458.97	95.51
NC157	362.89	0.03500	458.97	96.08
NC158	362.33	0.03500	458.97	96.64
NC159	361.81	0.03500	458.98	97.17
NC160	361.53	0.03500	458.98	97.45
NC161	361.49	0.03500	458.98	97.49
NC162	371.80	0.01750	459.73	87.93
NC163	371.53	0.03500	459.74	88.21
NC164	371.21	0.03500	459.74	88.53
NC165	370.89	0.03500	459.75	88.86
NC166	370.57	0.03500	459.76	89.19
NC167	370.26	0.03500	459.77	89.51
NC168	369.93	0.03500	459.78	89.85
NC169	369.61	0.03500	459.79	90.18
NC170	369.29	0.03500	459.80	90.51
NC171	368.99	0.03500	459.81	90.82
NC172	369.01	0.51000	459.87	90.86
NC173	368.03	0.01750	459.07	91.04
NC174	367.80	0.03500	459.08	91.28
NC175	367.39	0.03500	459.09	91.70
NC176	366.97	0.03500	459.11	92.14
NC177	366.55	0.03500	459.13	92.58

NC178	366.13	0.03500	459.15	93.02
NC179	365.79	0.03500	459.17	93.38
NC180	365.78	0.31200	459.25	93.47
NC181	365.44	0.34200	459.01	93.57
NC182	365.09	0.01750	459.02	93.93
NC183	364.86	0.03500	459.04	94.18
NC184	364.45	0.03500	459.06	94.61
NC185	364.03	0.03500	459.08	95.05
NC186	363.60	0.03500	459.11	95.51
NC187	363.19	0.03500	459.13	95.94
NC188	362.95	0.03500	459.15	96.20
NC189	362.96	0.03500	459.18	96.22
NC190	372.76	0.01750	460.14	87.38
NC191	372.38	0.03500	460.15	87.77
NC192	370.71	0.31200	459.59	88.88
NC193	364.52	0.34200	459.85	95.33
NC194	372.86	0.03500	460.33	87.47
NC195	373.17	0.03500	460.48	87.31
NC196	373.32	0.03500	460.58	87.26
NC197	373.38	0.03500	460.68	87.30
NC198	373.24	0.03500	460.79	87.55
NC199	373.03	0.03500	460.71	87.68
NC200	371.84	0.03500	460.24	88.40
NC201	372.57	0.03500	460.47	87.90
NC202	373.22	0.03500	460.69	87.47
NC203	373.77	0.03500	460.92	87.15
NC204	370.52	0.03500	460.13	89.61
NC205	371.56	0.03500	460.18	88.62
NC206	372.55	0.03500	460.22	87.67
NC207	373.27	0.03500	460.27	87.00
NC208	369.71	0.03500	460.08	90.37
NC209	370.43	0.03500	460.12	89.69
NC210	371.27	0.03500	460.15	88.88
NC211	372.16	0.03500	460.19	88.03
NC212	372.87	0.03500	460.22	87.35
NC213	373.26	0.01750	460.25	86.99
NC214	368.79	0.03500	459.86	91.07
NC215	369.58	0.03500	459.93	90.35
NC216	370.41	0.03500	460.00	89.59
NC217	371.22	0.03500	460.08	88.86
NC218	371.95	0.03500	460.15	88.20
NC219	372.42	0.01750	460.22	87.80
NC220	368.22	0.03500	459.72	91.50
NC221	368.88	0.03500	459.79	90.91
NC222	369.55	0.03500	459.87	90.32
NC223	370.25	0.03500	459.95	89.70

NC224	370.96	0.03500	460.02	89.06		NT10	369.45	---	459.55	90.10	
NC225	371.63	0.03500	460.10	88.47		NT12	367.77	---	459.00	91.23	
NC226	372.16	0.03500	460.18	88.02		NT13	367.69	---	458.87	91.18	
NC227	372.52	0.03500	460.26	87.74		NT14	367.05	---	458.80	91.75	
NC228	366.31	0.01750	460.18	93.87		NT15	364.66	---	458.59	93.93	
NC229	366.81	0.03500	460.27	93.46		NT16	364.63	---	458.57	93.94	
NC230	367.41	0.03500	460.36	92.95		NT17	362.43	---	458.53	96.10	
NC231	368.03	0.03500	460.45	92.42		NT18	369.57	---	459.55	89.98	
NC232	368.64	0.03500	460.55	91.91		NT19	369.11	---	459.47	90.36	
NC233	369.25	0.03500	460.64	91.39		NT21	366.90	---	458.98	92.08	
NC234	369.86	0.03500	460.74	90.88		NT22	366.90	---	458.88	91.98	
NC235	370.47	0.03500	460.83	90.36		NT23	366.94	---	458.83	91.89	
NC236	371.08	0.03500	460.93	89.85		NT24	363.87	---	458.67	94.80	
NC237	366.11	0.03500	460.19	94.08		NT25	363.65	---	458.66	95.01	
NC238	366.53	0.03500	460.27	93.74		NT26	361.91	---	458.67	96.76	
NC239	367.07	0.03500	460.35	93.28		NT27	374.14	---	459.47	85.33	
NC240	367.61	0.03500	460.44	92.83		NT28	369.37	---	459.05	89.68	
NC241	368.14	0.03500	460.52	92.38		NT29	368.89	---	458.94	90.05	
NC242	368.68	0.03500	460.60	91.92		NT30	364.10	---	458.80	94.70	
NC243	369.22	0.03500	460.69	91.47		NT31	363.75	---	458.79	95.04	
NC244	369.75	0.03500	460.78	91.03		NT32	360.83	---	458.76	97.93	
NC245	370.30	0.03500	460.87	90.57		NT33	374.61	---	459.46	84.85	
NC246	370.83	0.03500	460.95	90.12		NT34	369.37	---	459.09	89.72	
NC247	371.28	0.03500	461.05	89.77		NT35	369.06	---	458.94	89.88	
NC248	371.56	0.03500	461.14	89.58		NT36	364.28	---	458.83	94.55	
NC249	365.25	0.03500	460.06	94.81		NT37	363.93	---	458.82	94.89	
NC250	365.57	0.03500	460.12	94.55		NT38	360.93	---	458.81	97.88	
NC251	365.80	0.03500	460.18	94.38		NT39	374.71	---	459.50	84.79	
NC252	366.04	0.03500	460.25	94.21		NT40	369.07	---	459.10	90.03	
NC253	366.49	0.03500	460.31	93.82		NT41	368.68	---	459.03	90.35	
NC254	366.49	0.03500	460.37	93.88		NT42	364.81	---	458.97	94.16	
NC255	366.72	0.03500	460.44	93.72		NT43	364.55	---	458.95	94.40	
NC256	366.95	0.03500	460.50	93.55		NT44	361.80	---	458.95	97.15	
NC257	367.17	0.03500	460.57	93.40		NT45	374.29	---	459.58	85.29	
NC258	367.41	0.03500	460.64	93.23		NT47	368.48	---	459.04	90.56	
NC259	367.80	0.03500	460.71	92.91		NT48	365.04	---	459.04	94.00	
NC260	368.43	0.03500	460.77	92.34		NT49	364.69	---	458.97	94.28	
NC261	369.82	0.03500	460.88	91.06		NT50	362.04	---	458.99	96.95	
NC262	373.66	0.03500	461.03	87.37		NT51	372.52	---	459.72	87.20	
NC263	371.40	0.51000	459.80	88.40		NT52	368.73	---	459.82	91.09	
NT2	372.45	---	459.51	87.06		NT53	368.27	---	459.05	90.78	
NT3	372.01	---	458.99	86.98		NT54	365.56	---	459.18	93.62	
NT4	371.07	---	458.84	87.77		NT55	365.31	---	459.01	93.70	
NT5	368.26	---	458.51	90.25		NT56	363.10	---	459.20	96.10	
NT6	367.91	---	458.48	90.57		NT57	371.55	---	459.79	88.24	
NT9	369.42	---	459.60	90.18		NT58	371.47	---	459.81	88.34	

NT59	372.97	---	460.11	87.14
NT60	371.59	---	460.16	88.57
NT61	371.24	---	460.05	88.81
NT62	369.53	---	460.07	90.54
NT63	369.37	---	460.06	90.69
NT64	367.72	---	459.77	92.05
NT65	367.34	---	459.66	92.32
NT66	366.13	---	460.11	93.98
NT67	365.80	---	460.12	94.32
NT68	364.78	---	459.98	95.20
NT69	373.66	---	461.07	87.41
NT70	373.77	---	460.93	87.16
NT71	373.51	---	460.31	86.80
NT72	373.49	---	460.27	86.78
NT73	372.87	---	460.26	87.39
NT74	372.68	---	460.30	87.62
NT75	371.82	---	461.08	89.26
NT76	371.53	---	461.17	89.64
NT80	371.67	---	461.28	89.61
NT81	373.72	---	461.59	87.87
NT97	374.35	---	459.52	85.17
SG1	374.00	-69.68553	464.00	90.00
SG2	371.68	-25.92975	461.68	90.00
SG3	372.50	-35.54369	462.50	90.00
SG4	371.00	-30.18900	461.00	90.00

Listado de tramos

Valores negativos en caudal o velocidad indican que el sentido de circulación es de nudo final a nudo de inicio.

Combinaciones: Consumo

Inicio	Final	Longitud m	Diámetros mm	Caudal l/s	Péridid. m.c.a.	Velocidad m/s	Coment.
BR39	NC39	25.31	DN100	-3.88721	-0.07	-0.47	
BR39	NC40	20.66	DN100	3.88721	0.06	0.47	
BR48	NT21	7.01	DN100	-6.80758	-0.06	-0.82	
BR48	NT22	18.49	DN100	6.80758	0.15	0.82	
BR52	NC59	11.31	DN100	-2.39669	-0.01	-0.29	Vel.< 0.3 m/s
BR52	NC60	9.90	DN100	2.39669	0.01	0.29	Vel.< 0.3 m/s
BR64	NC104	12.64	DN100	-3.19782	-0.03	-0.38	
BR64	NC105	2.50	DN100	-1.80218	-0.00	-0.22	Vel.< 0.3 m/s
BR65	NC102	12.59	DN100	-3.33783	-0.03	-0.40	
BR65	NC103	2.17	DN100	3.33783	0.00	0.40	
BR88	NC127	11.50	DN100	-0.13521	-0.00	-0.02	Vel.< 0.3 m/s
BR88	NC128	3.49	DN100	0.13521	0.00	0.02	Vel.< 0.3 m/s
BR89	NC125	11.53	DN100	-0.27521	-0.00	-0.03	Vel.< 0.3 m/s

BR89	NC126	3.70	DN100	0.27521	0.00	0.03	Vel.< 0.3 m/s
BR92	NC120	7.89	DN100	-3.57681	-0.02	-0.43	
BR92	NC121	7.07	DN100	3.57681	0.02	0.43	
BR93	NC118	8.00	DN100	-3.71681	-0.02	-0.45	
BR93	NC119	7.14	DN100	3.71681	0.02	0.45	
BR99	H9	21.39	DN100	-2.34768	-0.03	-0.28	Vel.< 0.3 m/s
BR99	NT51	6.66	DN100	2.34768	0.01	0.28	Vel.< 0.3 m/s
BR107	NC181	4.70	DN100	-12.09619	-0.11	-1.45	
BR107	NT55	6.01	DN100	12.09619	0.14	1.45	
BR115	NC169	2.77	DN100	5.01302	0.01	0.60	
BR115	NC170	12.41	DN100	-5.01302	-0.06	-0.60	
H1	NC1	9.98	DN100	11.03833	0.19	1.32	
H1	NT2	10.61	DN100	-11.03833	-0.20	-1.32	
H2	NC8	18.03	DN100	-2.95966	-0.03	-0.36	
H2	NT5	5.47	DN100	2.95966	0.01	0.36	
H3	NC13	5.44	DN100	-1.14109	-0.00	-0.14	Vel.< 0.3 m/s
H3	NT7	3.12	DN100	1.14109	0.00	0.14	Vel.< 0.3 m/s
H4	NC62	31.11	DN250	15.32391	0.01	0.30	
H4	NT18	7.10	DN250	-15.32392	-0.00	-0.30	
H5	N11	28.66	DN100	-2.99072	-0.05	-0.36	
H5	N12	2.54	DN100	2.99072	0.00	0.36	
H6	NC77	7.27	DN100	5.99394	0.05	0.72	
H6	NC78	15.27	DN100	-5.99394	-0.10	-0.72	
H7	N10	13.86	DN100	8.72214	0.17	1.05	
H7	NT31	15.24	DN100	-8.72214	-0.19	-1.05	
H8	N23	27.84	DN100	10.92042	0.52	1.31	
H8	N24	2.91	DN100	-10.92043	-0.05	-1.31	
H9	N71	8.63	DN100	-2.34768	-0.01	-0.28	Vel.< 0.3 m/s
H10	N82	6.56	DN100	12.62858	0.16	1.52	
H10	NC192	15.26	DN100	-12.62858	-0.38	-1.52	
H11	N38	25.00	DN100	12.78018	0.63	1.53	
H11	N39	5.06	DN100	-12.78019	-0.13	-1.53	
H12	NC198	7.06	DN100	10.57539	0.13	1.27	
H12	NT69	34.08	DN100	-10.57538	-0.61	-1.27	
H13	NC250	6.92	DN100	6.44862	0.05	0.77	
H13	NC251	9.77	DN100	-6.44862	-0.07	-0.77	
H14	N53	22.21	DN100	-13.07854	-0.58	-1.57	
H14	N58	8.16	DN100	13.07855	0.21	1.57	
N1	NC23	28.40	DN100	2.78210	0.05	0.33	
N1	NC24	15.62	DN100	-2.78210	-0.02	-0.33	
N2	NC21	11.08	DN100	1.66210	0.01	0.20	Vel.< 0.3 m/s
N2	NC22	24.47	DN100	-1.66210	-0.02	-0.20	Vel.< 0.3 m/s
N3	NC33	21.20	DN100	1.26175	0.01	0.15	Vel.< 0.3 m/s
N3	NC34	12.38	DN100	-1.26175	-0.00	-0.15	Vel.< 0.3 m/s
N4	NC35	8.76	DN100	3.92175	0.03	0.47	
N4	NC36	18.71	DN100	-3.92175	-0.05	-0.47	

N5	NC37	25.14	DN100	1.67238	0.02	0.20	Vel.< 0.3 m/s	N32	NC184	3.84	DN100	-0.14230	-0.00	-0.02	Vel.< 0.3 m/s
N5	NT13	6.22	DN100	-1.67238	-0.00	-0.20	Vel.< 0.3 m/s	N33	NC185	11.17	DN100	0.28230	0.00	0.03	Vel.< 0.3 m/s
N6	NC9	49.73	DN100	-3.79391	-0.14	-0.46		N33	NC186	3.89	DN100	-0.28230	-0.00	-0.03	Vel.< 0.3 m/s
N6	NC10	4.11	DN100	3.79392	0.01	0.46		N34	NC187	11.27	DN100	0.42230	0.00	0.05	Vel.< 0.3 m/s
N7	N8	30.01	DN100	-2.78609	-0.05	-0.33		N34	NC188	3.84	DN100	-0.42230	-0.00	-0.05	Vel.< 0.3 m/s
N7	NC13	4.29	DN100	2.78609	0.01	0.33		N35	N36	29.97	DN100	-12.68306	-0.74	-1.52	
N8	NC14	3.43	DN100	-2.78609	-0.01	-0.33		N35	NT56	11.57	DN100	12.68307	0.29	1.52	
N9	NC16	9.67	DN100	7.72109	0.10	0.93		N36	NC193	24.37	DN100	-12.68306	-0.60	-1.52	
N9	NT17	9.23	DN100	-7.72109	-0.09	-0.93		N37	NC193	5.64	DN100	13.36707	0.15	1.60	
N10	NC82	3.91	DN100	8.72215	0.05	1.05		N37	NT68	6.64	DN100	-13.36707	-0.18	-1.60	
N11	NC71	1.66	DN100	-2.99072	-0.00	-0.36		N38	NC181	25.31	DN100	12.78018	0.64	1.53	
N12	NC70	28.65	DN100	2.99072	0.05	0.36		N39	NT65	11.16	DN100	-12.78018	-0.28	-1.53	
N13	NC69	9.68	DN100	1.83572	0.01	0.22	Vel.< 0.3 m/s	N40	NC249	4.28	DN100	6.37862	0.03	0.77	
N13	NC70	1.36	DN100	-1.83573	-0.00	-0.22	Vel.< 0.3 m/s	N40	NC250	12.31	DN100	-6.37862	-0.09	-0.77	
N14	N15	30.01	DN100	0.68072	0.00	0.08	Vel.< 0.3 m/s	N41	NC251	1.65	DN100	6.51862	0.01	0.78	
N14	NC69	20.34	DN100	-0.68072	-0.00	-0.08	Vel.< 0.3 m/s	N41	NC252	14.84	DN100	-6.51862	-0.11	-0.78	
N15	NC68	19.49	DN100	0.68072	0.00	0.08	Vel.< 0.3 m/s	N42	NC252	14.62	DN100	6.58862	0.11	0.79	
N16	NT20	13.46	DN100	-4.90651	-0.06	-0.59		N42	NC253	1.62	DN100	-6.58862	-0.01	-0.79	
N16	NT21	26.25	DN100	4.90651	0.12	0.59		N43	NC254	11.88	DN100	6.72862	0.09	0.81	
N17	NT18	4.50	DN100	-10.00080	-0.07	-1.20		N43	NC255	4.37	DN100	-6.72862	-0.03	-0.81	
N17	NT19	20.61	DN150	10.00080	0.05	0.54		N44	NC256	9.37	DN100	6.86862	0.08	0.82	
N18	N19	30.00	DN100	-8.07245	-0.33	-0.97		N44	NC257	6.85	DN100	-6.86862	-0.06	-0.82	
N18	NT33	1.22	DN100	8.07246	0.01	0.97		N45	NC258	6.77	DN100	7.00862	0.06	0.84	
N19	NT39	21.29	DN100	-8.07246	-0.23	-0.97		N45	NC259	9.53	DN100	-7.00862	-0.08	-0.84	
N20	NC115	7.00	DN100	3.99681	0.02	0.48		N46	NC260	4.16	DN100	7.14862	0.04	0.86	
N20	NT39	12.08	DN100	-3.99680	-0.04	-0.48		N46	NC261	20.56	DN100	-7.14862	-0.18	-0.86	
N21	NC116	7.97	DN100	-3.85681	-0.02	-0.46		N47	NT76	9.30	DN100	-7.21862	-0.08	-0.87	
N21	NC117	7.11	DN100	3.85681	0.02	0.46		N47	NT78	34.62	DN100	7.21862	0.31	0.87	
N22	NC122	7.96	DN100	-3.43680	-0.02	-0.41		N48	NC229	1.91	DN100	7.57810	0.02	0.91	
N22	NT40	5.05	DN100	3.43681	0.01	0.41		N48	NC230	14.38	DN100	-7.57809	-0.14	-0.91	
N23	NT38	4.65	DN100	10.92043	0.09	1.31		N49	NC230	14.58	DN100	7.64809	0.14	0.92	
N24	NT44	13.63	DN100	-10.92042	-0.26	-1.31		N49	NC231	2.43	DN100	-7.64810	-0.02	-0.92	
N25	NC135	8.58	DN100	0.70014	0.00	0.08	Vel.< 0.3 m/s	N50	NC232	11.20	DN100	7.78809	0.11	0.93	
N25	NC136	6.36	DN100	-0.70014	-0.00	-0.08	Vel.< 0.3 m/s	N50	NC233	5.43	DN100	-7.78810	-0.06	-0.93	
N26	NC133	8.63	DN100	0.56014	0.00	0.07	Vel.< 0.3 m/s	N51	NC234	7.91	DN100	7.92809	0.08	0.95	
N26	NC134	6.43	DN100	-0.56014	-0.00	-0.07	Vel.< 0.3 m/s	N51	NC235	8.78	DN100	-7.92809	-0.09	-0.95	
N27	NC131	8.59	DN100	0.42014	0.00	0.05	Vel.< 0.3 m/s	N52	NC236	4.59	DN100	8.06810	0.05	0.97	
N27	NC132	6.40	DN100	-0.42014	-0.00	-0.05	Vel.< 0.3 m/s	N52	NT75	20.73	DN100	-8.06809	-0.22	-0.97	
N28	NT37	22.80	DN100	10.77021	0.42	1.29		N53	NT75	9.20	DN100	-13.07855	-0.24	-1.57	
N28	NT43	26.20	DN100	-10.77020	-0.48	-1.29		N54	NC220	6.39	DN100	5.90006	0.04	0.71	
N29	N30	26.90	DN100	-12.12076	-0.61	-1.45		N54	NC221	8.67	DN100	-5.90006	-0.05	-0.71	
N29	NT50	4.00	DN100	12.12077	0.09	1.45		N55	NC222	6.58	DN100	6.04006	0.04	0.72	
N30	NT56	18.31	DN100	-12.12076	-0.42	-1.45		N55	NC223	8.41	DN100	-6.04006	-0.05	-0.72	
N31	NT49	24.01	DN100	12.13348	0.55	1.46		N56	NC224	6.55	DN100	6.18006	0.04	0.74	
N31	NT55	25.00	DN100	-12.13348	-0.57	-1.46		N56	NC225	8.35	DN100	-6.18006	-0.06	-0.74	
N32	NC183	11.20	DN100	0.14230	0.00	0.02	Vel.< 0.3 m/s	N57	NC226	6.86	DN100	6.32006	0.05	0.76	

N57	NC227	8.07	DN100	-6.32006	-0.06	-0.76		N84	NC176	8.73	DN100	0.17565	0.00	0.02	Vel.< 0.3 m/s
N58	NT74	15.12	DN100	13.07855	0.40	1.57		N85	NC19	21.43	DN250	-9.93624	-0.00	-0.20	Vel.< 0.3 m/s
N59	NT73	1.43	DN100	6.68850	0.01	0.80		N85	NT1	6.90	DN250	9.93625	0.00	0.20	Vel.< 0.3 m/s
N59	NT74	13.44	DN100	-6.68849	-0.10	-0.80		N86	NC11	16.46	DN100	-0.50391	-0.00	-0.06	Vel.< 0.3 m/s
N60	NC211	5.54	DN100	5.04723	0.03	0.61		N86	NC12	43.73	DN100	0.50391	0.00	0.06	Vel.< 0.3 m/s
N60	NC212	9.39	DN100	-5.04723	-0.04	-0.61		NC1	NC2	6.20	DN100	10.47834	0.11	1.26	
N61	NT72	20.58	DN100	0.57581	0.00	0.07	Vel.< 0.3 m/s	NC2	NC3	20.17	DN100	9.91833	0.32	1.19	
N61	NT73	28.62	DN100	-0.57581	-0.00	-0.07	Vel.< 0.3 m/s	NC3	NC4	10.34	DN100	9.35833	0.15	1.12	
N62	NC209	5.13	DN100	4.90723	0.02	0.59		NC4	NT3	8.89	DN100	8.79834	0.11	1.06	
N62	NC210	9.54	DN100	-4.90723	-0.04	-0.59		NC5	NC6	19.26	DN100	6.94966	0.16	0.83	
N63	N64	30.01	DN100	5.72380	0.17	0.69		NC5	NT4	15.87	DN100	-8.27966	-0.18	-0.99	
N63	NT63	14.40	DN100	-5.72380	-0.08	-0.69		NC6	NC7	32.83	DN100	5.61966	0.18	0.67	
N64	NT64	5.16	DN100	5.72381	0.03	0.69		NC7	NC8	25.40	DN100	4.28966	0.09	0.51	
N65	NC203	26.65	DN100	-10.02203	-0.43	-1.20		NC9	NT6	10.76	DN100	-5.43892	-0.06	-0.65	
N65	NT71	24.96	DN100	10.02203	0.40	1.20		NC10	NC11	9.44	DN100	2.14891	0.01	0.26	Vel.< 0.3 m/s
N66	NT61	31.89	DN100	4.20903	0.11	0.51		NC12	NT7	6.17	DN100	-1.14109	-0.00	-0.14	Vel.< 0.3 m/s
N66	NT62	18.12	DN100	-4.20904	-0.06	-0.51		NC14	NC15	8.39	DN100	-4.43109	-0.03	-0.53	
N67	NC200	13.49	DN100	12.79815	0.34	1.54		NC15	NC16	38.52	DN100	-6.07609	-0.25	-0.73	
N67	NC201	1.64	DN100	-12.79816	-0.04	-1.54		NC17	NC18	37.56	DN200	91.55673	1.29	2.81	
N68	NC202	13.51	DN100	12.93815	0.35	1.55		NC17	NT8	24.61	DN200	-105.55674	-1.10	-3.24	Vel.máx.
N68	NT70	1.58	DN100	-12.93817	-0.04	-1.55		NC18	NT9	33.27	DN200	77.55675	0.83	2.38	
N69	N70	28.09	DN100	5.95310	0.18	0.71		NC19	NC20	63.32	DN250	-23.93625	-0.06	-0.47	
N69	NC190	58.73	DN100	-5.95310	-0.37	-0.71		NC20	NT9	27.10	DN250	-37.93627	-0.06	-0.75	
N70	NT59	7.59	DN100	5.95310	0.05	0.71		NC21	NT2	13.61	DN100	1.10210	0.00	0.13	Vel.< 0.3 m/s
N71	N72	30.00	DN100	-2.34768	-0.04	-0.28	Vel.< 0.3 m/s	NC22	NC23	5.80	DN100	-2.22210	-0.01	-0.27	Vel.< 0.3 m/s
N72	NC263	2.39	DN100	-2.34768	-0.00	-0.28	Vel.< 0.3 m/s	NC24	NT10	3.68	DN100	-3.34210	-0.01	-0.40	
N73	NT45	26.53	DN100	6.83570	0.21	0.82		NC25	NC26	32.29	DN100	10.39371	0.56	1.25	
N73	NT51	23.37	DN100	-6.83570	-0.19	-0.82		NC25	NT10	3.97	DN100	-10.95372	-0.08	-1.31	
N74	NT39	8.73	DN100	12.06926	0.20	1.45		NC26	NC27	5.43	DN100	9.83372	0.08	1.18	
N74	NT45	3.49	DN100	-12.06927	-0.08	-1.45		NC27	NC28	19.92	DN100	9.27371	0.28	1.11	
N75	NC163	2.74	DN100	4.59302	0.01	0.55		NC28	NT11	5.69	DN100	8.71372	0.07	1.05	
N75	NC164	12.08	DN100	-4.59302	-0.05	-0.55		NC29	NC30	39.03	DN100	-0.10958	-0.00	-0.01	Vel.< 0.3 m/s
N76	NC165	2.78	DN100	4.73302	0.01	0.57		NC29	NT3	8.30	DN100	-0.45042	-0.00	-0.05	Vel.< 0.3 m/s
N76	NC166	12.20	DN100	-4.73302	-0.05	-0.57		NC30	NC31	9.30	DN100	-0.66958	-0.00	-0.08	Vel.< 0.3 m/s
N77	NC167	2.95	DN100	4.87302	0.01	0.58		NC31	NC32	34.11	DN100	-1.22958	-0.01	-0.15	Vel.< 0.3 m/s
N77	NC168	12.23	DN100	-4.87302	-0.05	-0.58		NC32	NT12	9.59	DN100	-1.78958	-0.01	-0.21	Vel.< 0.3 m/s
N78	NC171	2.95	DN100	5.15302	0.01	0.62		NC33	NT4	14.20	DN100	-0.06825	-0.00	-0.01	Vel.< 0.3 m/s
N78	NT52	10.07	DN100	-5.15302	-0.05	-0.62		NC34	NC35	8.91	DN100	-2.59175	-0.01	-0.31	
N79	N80	26.94	DN100	-12.27792	-0.63	-1.47		NC36	NT13	5.11	DN100	-5.25175	-0.03	-0.63	
N79	NT47	5.52	DN100	12.27793	0.13	1.47		NC37	NT14	7.31	DN100	0.34238	0.00	0.04	Vel.< 0.3 m/s
N80	NT53	16.54	DN100	-12.27792	-0.39	-1.47		NC38	NC39	6.39	DN100	5.21721	0.03	0.63	
N81	N82	30.00	DN100	-12.62857	-0.74	-1.52		NC38	NT14	28.10	DN100	-6.54721	-0.21	-0.79	
N81	NT53	13.46	DN100	12.62858	0.33	1.52		NC40	NT15	8.98	DN100	2.55721	0.01	0.31	
N83	NC177	6.22	DN100	0.00000	-0.00	0.00	Vel.< 0.3 m/s	NC41	NC42	40.07	DN100	-2.82688	-0.07	-0.34	
N83	NC178	8.76	DN100	0.00000	0.00	0.00	Vel.< 0.3 m/s	NC41	NT5	8.82	DN100	1.49688	0.00	0.18	Vel.< 0.3 m/s
N84	NC175	6.37	DN100	-0.17565	-0.00	-0.02	Vel.< 0.3 m/s	NC42	NC43	8.40	DN100	-4.15688	-0.03	-0.50	

NC43	NC44	38.81	DN100	-5.48688	-0.21	-0.66	Vel.< 0.3 m/s		NC83	NT27	17.88	DN100	-6.23814	-0.12	-0.75	Vel.< 0.3 m/s	
NC44	NT15	9.18	DN100	-6.81688	-0.07	-0.82			NC84	NC85	10.37	DN100	3.92814	0.03	0.47		
NC45	NC46	39.50	DN100	-2.62738	-0.06	-0.32			NC85	NC86	35.23	DN100	2.77313	0.06	0.33		
NC45	NT6	11.19	DN100	0.98238	0.00	0.12			NC86	NT28	7.25	DN100	1.61813	0.00	0.19		
NC46	NC47	7.20	DN100	-4.27238	-0.02	-0.51	Vel.< 0.3 m/s		NC87	NC88	18.57	DN100	3.92447	0.05	0.47	Vel.< 0.3 m/s	
NC47	NC48	40.77	DN100	-5.91738	-0.25	-0.71			NC87	NT29	26.86	DN100	-4.76447	-0.11	-0.57		
NC48	NT16	6.61	DN100	-7.56238	-0.06	-0.91			NC88	NC89	22.60	DN100	3.08447	0.04	0.37		
NC49	NC50	50.40	DN100	2.51032	0.07	0.30			NC89	NC90	13.93	DN100	2.24447	0.02	0.27		
NC49	NT16	9.65	DN100	-4.15532	-0.03	-0.50	Vel.< 0.3 m/s		NC90	NT30	25.41	DN100	1.40447	0.01	0.17	Vel.< 0.3 m/s	
NC50	NC51	17.19	DN100	0.86532	0.00	0.10			NC91	NT31	23.26	DN100	-2.63091	-0.03	-0.32		
NC51	NC52	45.91	DN100	-0.77968	-0.01	-0.09			NC91	NT32	107.19	DN100	1.16091	0.04	0.14		
NC52	NT17	6.56	DN100	-2.42468	-0.01	-0.29			NC92	NC93	10.54	DN100	3.38947	0.02	0.41	Vel.< 0.3 m/s	
NC53	NC54	24.62	DN100	8.37151	0.29	1.00	Vel.< 0.3 m/s		NC92	NT33	4.91	DN100	-3.42447	-0.01	-0.41		
NC53	NT19	5.16	DN100	-9.52652	-0.08	-1.14			NC93	NC94	14.91	DN100	3.31947	0.03	0.40		
NC54	NC55	3.62	DN100	7.21652	0.03	0.87			NC94	NC95	14.90	DN100	3.24947	0.03	0.39		
NC55	NC56	21.34	DN100	6.06151	0.14	0.73	Vel.< 0.3 m/s		NC95	NC96	15.09	DN100	3.17947	0.03	0.38	Vel.< 0.3 m/s	
NC56	NT20	1.26	DN100	4.90652	0.01	0.59			NC96	NC97	15.08	DN100	3.10947	0.03	0.37		
NC57	NC72	31.20	DN100	-3.05606	-0.06	-0.37			NC97	NC98	15.10	DN100	3.03947	0.03	0.36		
NC57	NT21	1.09	DN100	1.90106	0.00	0.23			NC98	NC99	14.99	DN100	2.96947	0.03	0.36		
NC58	NC59	51.60	DN100	3.23669	0.11	0.39	Vel.< 0.3 m/s		NC99	NT34	13.03	DN100	2.89947	0.02	0.35	Vel.< 0.3 m/s	
NC58	NT23	27.48	DN100	-4.07669	-0.09	-0.49			NC100	NC101	10.07	DN100	3.47783	0.02	0.42		
NC60	NT24	5.22	DN100	1.55669	0.00	0.19			NC100	NT35	10.45	DN100	-3.51283	-0.03	-0.42		
NC61	NT25	28.29	DN100	0.72371	0.00	0.09			NC101	NC102	15.08	DN100	3.40782	0.03	0.41	Vel.< 0.3 m/s	
NC61	NT26	97.13	DN100	-2.19371	-0.10	-0.26	Vel.< 0.3 m/s		NC103	NC104	15.24	DN100	3.26782	0.03	0.39		
NC62	NC63	80.65	DN250	-4.67611	-0.00	-0.09			NC105	NC106	14.82	DN100	-1.87218	-0.01	-0.22		
NC63	NC64	49.85	DN250	-24.67611	-0.05	-0.49			NC106	NT36	11.82	DN100	-1.94218	-0.01	-0.23		
NC64	NT97	9.70	DN250	-44.67612	-0.03	-0.88	Vel.< 0.3 m/s		NC107	NC108	15.01	DN100	0.71315	0.00	0.09	Vel.< 0.3 m/s	
NC65	NC66	89.95	DN250	-64.41194	-0.54	-1.27			NC107	NT37	12.94	DN100	-0.78315	-0.00	-0.09		
NC65	NT97	42.30	DN250	50.41197	0.16	0.99			NC108	NC109	15.05	DN100	0.64315	0.00	0.08		
NC66	NC67	19.78	DN250	-78.41199	-0.17	-1.55			NC109	NC110	15.23	DN100	0.57315	0.00	0.07		
NC67	NT57	47.42	DN250	-78.71195	-0.41	-1.55	Vel.< 0.3 m/s		NC110	NC111	14.90	DN100	0.50315	0.00	0.06	Vel.< 0.3 m/s	
NC68	NT19	13.65	DN100	-0.47428	-0.00	-0.06			NC111	NC112	14.93	DN100	0.43315	0.00	0.05		
NC71	NT27	11.88	DN100	-4.14572	-0.04	-0.50			NC112	NC113	14.85	DN100	0.36315	0.00	0.04		
NC72	NC73	14.24	DN100	-4.21106	-0.05	-0.51			NC113	NC114	12.54	DN100	0.29315	0.00	0.04		
NC73	NC74	52.76	DN100	-5.36606	-0.27	-0.64	Vel.< 0.3 m/s		NC114	NT38	12.09	DN100	0.25815	0.00	0.03	Vel.< 0.3 m/s	
NC74	NT28	11.65	DN100	-6.52106	-0.09	-0.78			NC115	NC116	15.06	DN100	3.92680	0.04	0.47		
NC75	NC76	24.83	DN100	-4.31394	-0.09	-0.52			NC117	NC118	15.00	DN100	3.78680	0.04	0.45		
NC75	NT22	10.93	DN100	3.47394	0.03	0.42			NC119	NC120	15.01	DN100	3.64680	0.04	0.44	Vel.< 0.3 m/s	
NC76	NC77	41.44	DN100	-5.15394	-0.20	-0.62	Vel.< 0.3 m/s		NC121	NC122	14.98	DN100	3.50680	0.04	0.42		
NC78	NT29	11.09	DN100	-6.83394	-0.09	-0.82			NC123	NC124	10.11	DN100	0.41521	0.00	0.05		
NC79	NC80	35.36	DN100	-7.28483	-0.32	-0.87			NC123	NT41	10.42	DN100	-0.45021	-0.00	-0.05		
NC79	NT24	9.36	DN100	6.44483	0.07	0.77	Vel.< 0.3 m/s		NC124	NC125	15.08	DN100	0.34521	0.00	0.04	Vel.< 0.3 m/s	
NC80	NC81	17.42	DN100	-8.12483	-0.19	-0.98			NC126	NC127	14.82	DN100	0.20521	0.00	0.02		
NC81	NT30	10.90	DN100	-8.96483	-0.14	-1.08			NC128	NC129	14.91	DN100	0.06521	0.00	0.01		
NC82	NT25	33.75	DN100	7.25214	0.30	0.87			NC129	NT42	11.79	DN100	0.00000	-0.00	0.00		
NC83	NC84	42.61	DN100	5.08314	0.20	0.61			NC130	NC131	15.12	DN100	-0.35014	-0.00	-0.04	Vel.< 0.3 m/s	

NC130	NT43	13.07	DN100	0.28014	0.00	0.03	Vel.< 0.3 m/s
NC132	NC133	14.98	DN100	-0.49014	-0.00	-0.06	Vel.< 0.3 m/s
NC134	NC135	15.00	DN100	-0.63014	-0.00	-0.08	Vel.< 0.3 m/s
NC136	NC137	13.25	DN100	-0.77014	-0.00	-0.09	Vel.< 0.3 m/s
NC137	NT44	10.07	DN100	-0.80514	-0.00	-0.10	Vel.< 0.3 m/s
NC138	NC139	14.93	DN100	-5.30357	-0.08	-0.64	
NC138	NT45	8.36	DN100	5.23357	0.04	0.63	
NC139	NC140	15.08	DN100	-5.37357	-0.08	-0.64	
NC140	NC141	15.08	DN100	-5.44357	-0.08	-0.65	
NC141	NC142	14.90	DN100	-5.51357	-0.08	-0.66	
NC142	NC143	14.89	DN100	-5.58357	-0.08	-0.67	
NC143	NC144	15.11	DN100	-5.65357	-0.09	-0.68	
NC144	NC145	15.10	DN100	-5.72357	-0.09	-0.69	
NC145	NC146	15.15	DN100	-5.79357	-0.09	-0.70	
NC146	NT46	13.00	DN100	-5.86357	-0.08	-0.70	
NC147	NC148	11.73	DN100	-1.88518	-0.01	-0.23	Vel.< 0.3 m/s
NC147	NT47	8.80	DN100	1.85018	0.01	0.22	Vel.< 0.3 m/s
NC148	NC149	15.01	DN100	-1.95518	-0.01	-0.23	Vel.< 0.3 m/s
NC149	NC150	14.96	DN100	-2.02518	-0.01	-0.24	Vel.< 0.3 m/s
NC150	NC151	15.08	DN100	-2.09518	-0.01	-0.25	Vel.< 0.3 m/s
NC151	NC152	15.11	DN100	-2.16518	-0.02	-0.26	Vel.< 0.3 m/s
NC152	NC153	14.82	DN100	-2.23518	-0.02	-0.27	Vel.< 0.3 m/s
NC153	NT48	11.83	DN100	-2.30518	-0.01	-0.28	Vel.< 0.3 m/s
NC154	NC155	12.73	DN100	0.09480	0.00	0.01	Vel.< 0.3 m/s
NC154	NT49	7.71	DN100	-0.12980	-0.00	-0.02	Vel.< 0.3 m/s
NC155	NC156	14.81	DN100	0.02480	0.00	0.00	Vel.< 0.3 m/s
NC156	NC157	15.12	DN100	-0.04520	-0.00	-0.01	Vel.< 0.3 m/s
NC157	NC158	14.98	DN100	-0.11520	-0.00	-0.01	Vel.< 0.3 m/s
NC158	NC159	14.92	DN100	-0.18520	-0.00	-0.02	Vel.< 0.3 m/s
NC159	NC160	15.11	DN100	-0.25520	-0.00	-0.03	Vel.< 0.3 m/s
NC160	NC161	14.99	DN100	-0.32520	-0.00	-0.04	Vel.< 0.3 m/s
NC161	NT50	15.50	DN100	-0.39520	-0.00	-0.05	Vel.< 0.3 m/s
NC162	NC163	13.11	DN100	-4.52302	-0.05	-0.54	
NC162	NT51	13.79	DN100	4.48802	0.05	0.54	
NC164	NC165	15.15	DN100	-4.66302	-0.06	-0.56	
NC166	NC167	14.86	DN100	-4.80302	-0.06	-0.58	
NC168	NC169	15.00	DN100	-4.94302	-0.07	-0.59	
NC170	NC171	14.72	DN100	-5.08302	-0.07	-0.61	
NC172	NT52	11.43	DN100	11.01658	0.22	1.32	
NC172	NT60	66.00	DN100	-12.03657	-1.49	-1.44	
NC173	NC174	10.89	DN100	0.31565	0.00	0.04	Vel.< 0.3 m/s
NC173	NT53	9.66	DN100	-0.35065	-0.00	-0.04	Vel.< 0.3 m/s
NC174	NC175	15.17	DN100	0.24565	0.00	0.03	Vel.< 0.3 m/s
NC176	NC177	15.06	DN100	0.10565	0.00	0.01	Vel.< 0.3 m/s
NC178	NC179	14.94	DN100	-0.03435	-0.00	-0.00	Vel.< 0.3 m/s
NC179	NT54	11.53	DN100	-0.10435	-0.00	-0.01	Vel.< 0.3 m/s

NC180	NT54	10.13	DN100	11.76923	0.22	1.41	
NC180	NT64	67.07	DN100	-12.39322	-1.60	-1.49	
NC182	NC183	11.28	DN100	-0.07230	-0.00	-0.01	Vel.< 0.3 m/s
NC182	NT55	9.25	DN100	0.03730	0.00	0.00	Vel.< 0.3 m/s
NC184	NC185	14.99	DN100	-0.21230	-0.00	-0.03	Vel.< 0.3 m/s
NC186	NC187	14.86	DN100	-0.35230	-0.00	-0.04	Vel.< 0.3 m/s
NC188	NC189	14.99	DN100	-0.49230	-0.00	-0.06	Vel.< 0.3 m/s
NC189	NT56	10.84	DN100	-0.56230	-0.00	-0.07	Vel.< 0.3 m/s
NC190	NC191	29.77	DN100	-5.98810	-0.19	-0.72	
NC191	NT60	27.49	DN100	-6.05810	-0.18	-0.73	
NC192	NT61	12.22	DN100	-13.25258	-0.33	-1.59	
NC194	NC195	22.66	DN100	-10.29538	-0.38	-1.24	
NC194	NT59	34.25	DN100	10.22538	0.57	1.23	
NC195	NC196	15.01	DN100	-10.36538	-0.26	-1.24	
NC196	NC197	14.88	DN100	-10.43538	-0.26	-1.25	
NC197	NC198	15.08	DN100	-10.50538	-0.26	-1.26	
NC199	NC262	16.69	DN100	-14.48007	-0.53	-1.74	
NC199	NT60	29.17	DN100	14.41006	0.92	1.73	
NC200	NT61	12.58	DN100	12.72815	0.31	1.53	
NC201	NC202	14.89	DN100	-12.86815	-0.38	-1.54	
NC203	NT70	0.87	DN100	-10.09204	-0.01	-1.21	
NC204	NC205	17.32	DN100	-5.23561	-0.09	-0.63	
NC204	NT62	24.58	DN100	5.16561	0.12	0.62	
NC205	NC206	17.34	DN100	-5.30561	-0.09	-0.64	
NC206	NC207	17.29	DN100	-5.37561	-0.09	-0.65	
NC207	NT71	13.38	DN100	-5.44561	-0.07	-0.65	
NC208	NC209	14.91	DN100	-4.83723	-0.06	-0.58	
NC208	NT63	12.76	DN100	4.76723	0.05	0.57	
NC210	NC211	15.32	DN100	-4.97723	-0.07	-0.60	
NC212	NC213	12.05	DN100	-5.11723	-0.06	-0.61	
NC213	NT72	8.79	DN100	-5.15223	-0.04	-0.62	
NC214	NC215	16.79	DN100	-5.79769	-0.10	-0.70	
NC214	NT64	22.86	DN100	5.72769	0.13	0.69	
NC215	NC216	17.28	DN100	-5.86769	-0.10	-0.70	
NC216	NC217	16.70	DN100	-5.93769	-0.10	-0.71	
NC217	NC218	16.85	DN100	-6.00769	-0.11	-0.72	
NC218	NC219	16.58	DN100	-6.07769	-0.11	-0.73	
NC219	NT73	8.66	DN100	-6.11269	-0.06	-0.73	
NC220	NT65	12.78	DN100	5.83006	0.08	0.70	
NC221	NC222	14.79	DN100	-5.97006	-0.09	-0.72	
NC223	NC224	15.10	DN100	-6.11006	-0.10	-0.73	
NC225	NC226	14.93	DN100	-6.25006	-0.10	-0.75	
NC227	NT74	7.89	DN100	-6.39006	-0.06	-0.77	
NC228	NC229	16.18	DN100	-7.50809	-0.15	-0.90	
NC228	NT66	13.53	DN100	7.47309	0.13	0.90	
NC231	NC232	16.69	DN100	-7.71809	-0.17	-0.93	

NC233	NC234	16.63	DN100	-7.85809	-0.17	-0.94		NT31	NT37	14.40	DN100	-9.98706	-0.23	-1.20	
NC235	NC236	16.64	DN100	-7.99809	-0.18	-0.96		NT32	NT38	14.69	DN100	-11.17857	-0.29	-1.34	
NC237	NC238	14.96	DN100	-7.54723	-0.14	-0.91		NT34	NT40	49.00	DN100	-7.24080	-0.44	-0.87	
NC237	NT67	12.82	DN100	7.47723	0.12	0.90		NT35	NT41	49.00	DN100	-9.87389	-0.77	-1.19	
NC238	NC239	14.97	DN100	-7.61723	-0.15	-0.91		NT36	NT42	49.00	DN100	-10.86853	-0.92	-1.30	
NC239	NC240	15.07	DN100	-7.68723	-0.15	-0.92		NT40	NT41	25.40	DN100	-3.80400	-0.07	-0.46	
NC240	NC241	14.91	DN100	-7.75723	-0.15	-0.93		NT41	NT47	11.40	DN100	-14.12810	-0.35	-1.70	
NC241	NC242	14.82	DN100	-7.82723	-0.15	-0.94		NT42	NT43	14.40	DN80	-1.51362	-0.02	-0.28	Vel. < 0.3 m/s
NC242	NC243	15.02	DN100	-7.89723	-0.16	-0.95		NT42	NT48	11.40	DN80	-9.35970	-0.45	-1.71	
NC243	NC244	14.96	DN100	-7.96723	-0.16	-0.96		NT43	NT49	11.40	DN100	-12.00368	-0.26	-1.44	
NC244	NC245	14.96	DN100	-8.03723	-0.16	-0.96		NT44	NT50	11.42	DN100	-11.72557	-0.25	-1.41	
NC245	NC246	14.93	DN100	-8.10723	-0.16	-0.97		NT46	NT52	49.00	DN100	-5.86356	-0.30	-0.70	
NC246	NC247	15.15	DN100	-8.17723	-0.17	-0.98		NT48	NT54	49.00	DN100	-11.66488	-1.04	-1.40	
NC247	NC248	14.68	DN100	-8.24723	-0.17	-0.99		NT57	NT58	25.07	DN150	-12.81081	-0.09	-0.69	
NC248	NT76	6.24	DN100	-8.31723	-0.07	-1.00		NT57	NT82	92.44	DN250	-65.90114	-0.58	-1.30	
NC249	NT68	21.13	DN100	6.30862	0.15	0.76		NT58	NT59	34.49	DN100	-16.17847	-1.34	-1.94	
NC253	NC254	16.59	DN100	-6.65862	-0.13	-0.80		NT60	NT61	25.91	DN100	-3.68461	-0.07	-0.44	
NC255	NC256	16.31	DN100	-6.79862	-0.13	-0.82		NT62	NT63	9.49	DN100	0.95657	0.00	0.11	Vel. < 0.3 m/s
NC257	NC258	16.39	DN100	-6.93862	-0.13	-0.83		NT64	NT65	14.53	DN80	-0.94174	-0.01	-0.17	Vel. < 0.3 m/s
NC259	NC260	16.33	DN100	-7.07862	-0.14	-0.85		NT65	NT66	49.45	DN100	-7.89186	-0.51	-0.95	
NC261	NT79	7.52	DN100	-7.21862	-0.07	-0.87		NT66	NT67	9.42	DN100	-0.41878	-0.00	-0.05	Vel. < 0.3 m/s
NC262	NT69	2.12	DN100	-14.55008	-0.07	-1.75		NT67	NT68	53.79	DN100	7.05845	0.46	0.85	
NC263	NT58	3.32	DN100	-3.36768	-0.01	-0.40		NT69	NT81	11.78	DN100	-25.12544	-1.04	-3.02	
NT1	NT2	41.50	DN150	9.93624	0.10	0.54		NT70	NT81	13.62	DN100	-23.03017	-1.02	-2.76	
NT3	NT4	27.71	DN100	8.34791	0.32	1.00		NT71	NT72	9.20	DN100	4.57642	0.04	0.55	
NT5	NT6	15.71	DN100	4.45654	0.06	0.53		NT75	NT80	5.95	DN100	-21.14664	-0.38	-2.54	
NT8	SG1	137.03	DN200	-105.55661	-6.14	-3.24		NT76	NT80	5.95	DN100	-15.53584	-0.21	-1.86	
NT9	NT10	25.53	DN150	14.29582	0.11	0.77		NT78	NT79	16.02	DN100	7.21862	0.14	0.87	
NT9	NT18	38.82	DN250	25.32471	0.04	0.50		NT80	SG2	30.07	DN150	-36.68246	-0.75	-1.98	
NT11	NT12	8.69	DN100	8.71371	0.11	1.05		NT81	SG3	38.53	DN150	-48.15560	-1.61	-2.61	
NT12	NT13	25.40	DN100	6.92413	0.21	0.83		NT82	NT83	29.12	DN250	-65.90118	-0.18	-1.30	
NT14	NT23	37.00	DN100	-6.20483	-0.25	-0.74		NT83	NT84	34.65	DN250	-65.90117	-0.22	-1.30	
NT15	NT16	15.70	DN100	3.53517	0.04	0.42		NT84	NT85	26.41	DN250	-65.90118	-0.17	-1.30	
NT15	NT24	40.35	DN100	-7.79483	-0.41	-0.94		NT85	NT86	185.68	DN250	-65.90112	-1.16	-1.30	
NT16	NT25	40.35	DN100	-8.18253	-0.45	-0.98		NT86	NT87	82.40	DN250	-65.90115	-0.51	-1.30	
NT17	NT26	38.84	DN100	-10.14577	-0.64	-1.22		NT87	NT89	23.72	DN250	-65.90119	-0.15	-1.30	
NT22	NT23	11.33	DN100	10.28152	0.19	1.23		NT89	NT90	59.94	DN250	-65.90116	-0.37	-1.30	
NT24	NT25	15.70	DN100	0.20668	0.00	0.02	Vel. < 0.3 m/s	NT90	NT91	88.50	DN250	-65.90115	-0.55	-1.30	
NT26	NT32	22.79	DN100	-12.33948	-0.54	-1.48		NT91	NT92	102.27	DN250	-65.90114	-0.64	-1.30	
NT27	NT33	15.31	DN100	-4.64799	-0.06	-0.56		NT92	NT93	39.08	DN250	-65.90117	-0.24	-1.30	
NT27	NT97	25.95	DN150	-5.73587	-0.02	-0.31		NT93	NT94	27.64	DN250	-65.90118	-0.17	-1.30	
NT28	NT29	25.40	DN100	5.23734	0.13	0.63		NT94	SG4	16.46	DN250	-65.90120	-0.10	-1.30	
NT28	NT34	14.40	DN100	-10.14026	-0.24	-1.22									
NT29	NT35	14.40	DN100	-6.36107	-0.10	-0.76									
NT30	NT31	14.40	DN100	1.36600	0.01	0.16	Vel. < 0.3 m/s								
NT30	NT36	14.40	DN100	-8.92636	-0.19	-1.07									

Combinaciones: Consumo+Riego

Inicio	Final	Longitud m	Diámetros mm	Caudal l/s	Périd. m.c.a.	Velocidad m/s	Coment.
BR39	NC39	25.31	DN100	-9.12509	-0.34	-1.10	
BR39	NC40	20.66	DN100	-6.25491	-0.14	-0.75	
BR48	NT21	7.01	DN100	-9.71798	-0.11	-1.17	
BR48	NT22	18.49	DN100	8.21798	0.21	0.99	
BR52	NC59	11.31	DN100	-6.03297	-0.07	-0.72	
BR52	NC60	9.90	DN100	-3.71704	-0.03	-0.45	
BR64	NC104	12.64	DN100	-3.81346	-0.04	-0.46	
BR64	NC105	2.50	DN100	-0.18654	-0.00	-0.02	Vel.< 0.3 m/s
BR65	NC102	12.59	DN100	-5.38346	-0.07	-0.65	
BR65	NC103	2.17	DN100	3.88346	0.01	0.47	
BR88	NC127	11.50	DN100	-3.16211	-0.02	-0.38	
BR88	NC128	3.49	DN100	1.66211	0.00	0.20	Vel.< 0.3 m/s
BR89	NC125	11.53	DN100	-4.73211	-0.05	-0.57	
BR89	NC126	3.70	DN100	3.23211	0.01	0.39	
BR92	NC120	7.89	DN100	-3.38611	-0.02	-0.41	
BR92	NC121	7.07	DN100	1.88611	0.01	0.23	Vel.< 0.3 m/s
BR93	NC118	8.00	DN100	-4.95611	-0.04	-0.59	
BR93	NC119	7.14	DN100	3.45611	0.02	0.41	
BR99	H9	21.39	DN100	-11.43087	-0.44	-1.37	
BR99	NT51	6.66	DN100	-8.06914	-0.07	-0.97	
BR107	NC181	4.70	DN100	-14.82284	-0.16	-1.78	
BR107	NT55	6.01	DN100	-2.04718	-0.01	-0.25	Vel.< 0.3 m/s
BR115	NC169	2.77	DN100	4.74114	0.01	0.57	
BR115	NC170	12.41	DN100	-6.24114	-0.08	-0.75	
H1	NC1	9.98	DN100	11.22062	0.20	1.35	
H1	NT2	10.61	DN100	-11.22062	-0.21	-1.35	
H2	NC8	18.03	DN100	-5.92679	-0.11	-0.71	
H2	NT5	5.47	DN100	5.92679	0.03	0.71	
H3	NC13	5.44	DN100	-0.52121	-0.00	-0.06	Vel.< 0.3 m/s
H3	NT7	3.12	DN100	0.52121	0.00	0.06	Vel.< 0.3 m/s
H4	NC62	31.11	DN250	18.10451	0.02	0.36	
H4	NT18	7.10	DN250	-18.10452	-0.00	-0.36	
H5	N11	28.66	DN100	0.21719	0.00	0.03	Vel.< 0.3 m/s
H5	N12	2.54	DN100	-0.21719	-0.00	-0.03	Vel.< 0.3 m/s
H6	NC77	7.27	DN100	3.54593	0.02	0.43	
H6	NC78	15.27	DN100	-3.54593	-0.04	-0.43	
H7	N10	13.86	DN100	7.13756	0.12	0.86	
H7	NT31	15.24	DN100	-7.13756	-0.13	-0.86	
H8	N23	27.84	DN100	6.91815	0.23	0.83	
H8	N24	2.91	DN100	-6.91816	-0.02	-0.83	
H9	N71	8.63	DN100	-11.43087	-0.18	-1.37	
H10	N82	6.56	DN100	11.11591	0.13	1.33	
H10	NC192	15.26	DN100	-11.11591	-0.30	-1.33	

H11	N38	25.00	DN100	15.16482	0.86	1.82	
H11	N39	5.06	DN100	-15.16484	-0.17	-1.82	
H12	NC198	7.06	DN100	8.03817	0.08	0.96	
H12	NT69	34.08	DN100	-8.03817	-0.37	-0.96	
H13	NC250	6.92	DN100	6.08633	0.04	0.73	
H13	NC251	9.77	DN100	-6.08633	-0.06	-0.73	
H14	N53	22.21	DN100	-11.19168	-0.44	-1.34	
H14	N58	8.16	DN100	11.19168	0.16	1.34	
N1	NC23	28.40	DN100	1.97337	0.02	0.24	Vel.< 0.3 m/s
N1	NC24	15.62	DN100	-1.97337	-0.01	-0.24	Vel.< 0.3 m/s
N2	NC21	11.08	DN100	1.41337	0.01	0.17	Vel.< 0.3 m/s
N2	NC22	24.47	DN100	-1.41337	-0.01	-0.17	Vel.< 0.3 m/s
N3	NC33	21.20	DN100	-0.02804	-0.00	-0.00	Vel.< 0.3 m/s
N3	NC34	12.38	DN100	0.02804	0.00	0.00	Vel.< 0.3 m/s
N4	NC35	8.76	DN100	1.30196	0.00	0.16	Vel.< 0.3 m/s
N4	NC36	18.71	DN100	-1.30196	-0.01	-0.16	Vel.< 0.3 m/s
N5	NC37	25.14	DN100	7.48915	0.24	0.90	
N5	NT13	6.22	DN100	-7.48916	-0.06	-0.90	
N6	NC9	49.73	DN100	-1.94630	-0.04	-0.23	Vel.< 0.3 m/s
N6	NC10	4.11	DN100	1.94630	0.00	0.23	Vel.< 0.3 m/s
N7	N8	30.01	DN100	-1.34371	-0.01	-0.16	Vel.< 0.3 m/s
N7	NC13	4.29	DN100	1.34371	0.00	0.16	Vel.< 0.3 m/s
N8	NC14	3.43	DN100	-1.34371	-0.00	-0.16	Vel.< 0.3 m/s
N9	NC16	9.67	DN100	3.81121	0.03	0.46	
N9	NT17	9.23	DN100	-3.81121	-0.03	-0.46	
N10	NC82	3.91	DN100	7.13756	0.03	0.86	
N11	NC71	1.66	DN100	0.21719	0.00	0.03	Vel.< 0.3 m/s
N12	NC70	28.65	DN100	-0.21719	-0.00	-0.03	Vel.< 0.3 m/s
N13	NC69	9.68	DN100	-0.79469	-0.00	-0.10	Vel.< 0.3 m/s
N13	NC70	1.36	DN100	0.79469	0.00	0.10	Vel.< 0.3 m/s
N14	N15	30.01	DN100	-1.37219	-0.01	-0.16	Vel.< 0.3 m/s
N14	NC69	20.34	DN100	1.37219	0.01	0.16	Vel.< 0.3 m/s
N15	NC68	19.49	DN100	-1.37219	-0.01	-0.16	Vel.< 0.3 m/s
N16	NT20	13.46	DN100	-8.19824	-0.15	-0.98	
N16	NT21	26.25	DN100	8.19823	0.29	0.98	
N17	NT18	4.50	DN100	-12.45793	-0.11	-1.50	
N17	NT19	20.61	DN150	12.45793	0.07	0.67	
N18	N19	30.00	DN100	4.74939	0.12	0.57	
N18	NT33	1.22	DN100	-4.74940	-0.01	-0.57	
N19	NT39	21.29	DN100	4.74939	0.09	0.57	
N20	NC115	7.00	DN100	5.09611	0.03	0.61	
N20	NT39	12.08	DN100	-5.09611	-0.06	-0.61	
N21	NC116	7.97	DN100	-5.02611	-0.04	-0.60	
N21	NC117	7.11	DN100	5.02611	0.03	0.60	
N22	NC122	7.96	DN100	-1.81611	-0.01	-0.22	Vel.< 0.3 m/s
N22	NT40	5.05	DN100	1.81611	0.00	0.22	Vel.< 0.3 m/s

N23	NT38	4.65	DN100	6.91816	0.04	0.83		N49	NC230	14.58	DN100	6.99910	0.12	0.84	
N24	NT44	13.63	DN100	-6.91815	-0.11	-0.83		N49	NC231	2.43	DN100	-6.99911	-0.02	-0.84	
N25	NC135	8.58	DN100	-0.47015	-0.00	-0.06	Vel.< 0.3 m/s	N50	NC232	11.20	DN100	7.06910	0.10	0.85	
N25	NC136	6.36	DN100	0.47015	0.00	0.06	Vel.< 0.3 m/s	N50	NC233	5.43	DN100	-7.06910	-0.05	-0.85	
N26	NC133	8.63	DN100	-0.54015	-0.00	-0.06	Vel.< 0.3 m/s	N51	NC234	7.91	DN100	7.13910	0.07	0.86	
N26	NC134	6.43	DN100	0.54015	0.00	0.06	Vel.< 0.3 m/s	N51	NC235	8.78	DN100	-7.13910	-0.08	-0.86	
N27	NC131	8.59	DN100	-0.61015	-0.00	-0.07	Vel.< 0.3 m/s	N52	NC236	4.59	DN100	7.20910	0.04	0.87	
N27	NC132	6.40	DN100	0.61015	0.00	0.07	Vel.< 0.3 m/s	N52	NT75	20.73	DN100	-7.20910	-0.18	-0.87	
N28	NT37	22.80	DN100	6.81492	0.18	0.82		N53	NT75	9.20	DN100	-11.19168	-0.18	-1.34	
N28	NT43	26.20	DN100	-6.81492	-0.21	-0.82		N54	NC220	6.39	DN100	5.86842	0.04	0.70	
N29	N30	26.90	DN100	-7.80910	-0.27	-0.94		N54	NC221	8.67	DN100	-5.86842	-0.05	-0.70	
N29	NT50	4.00	DN100	7.80911	0.04	0.94		N55	NC222	6.58	DN100	5.93842	0.04	0.71	
N30	NT56	18.31	DN100	-7.80911	-0.19	-0.94		N55	NC223	8.41	DN100	-5.93842	-0.05	-0.71	
N31	NT49	24.01	DN100	2.46775	0.03	0.30	Vel.< 0.3 m/s	N56	NC224	6.55	DN100	6.00842	0.04	0.72	
N31	NT55	25.00	DN100	-2.46775	-0.03	-0.30	Vel.< 0.3 m/s	N56	NC225	8.35	DN100	-6.00842	-0.05	-0.72	
N32	NC183	11.20	DN100	4.56743	0.04	0.55		N57	NC226	6.86	DN100	6.07842	0.04	0.73	
N32	NC184	3.84	DN100	-4.56743	-0.01	-0.55		N57	NC227	8.07	DN100	-6.07842	-0.05	-0.73	
N33	NC185	11.17	DN100	4.63743	0.04	0.56		N58	NT74	15.12	DN100	11.19168	0.30	1.34	
N33	NC186	3.89	DN100	-4.63743	-0.02	-0.56		N59	NT73	1.43	DN100	5.07827	0.01	0.61	
N34	NC187	11.27	DN100	4.70743	0.05	0.56		N59	NT74	13.44	DN100	-5.07827	-0.06	-0.61	
N34	NC188	3.84	DN100	-4.70743	-0.02	-0.56		N60	NC211	5.54	DN100	4.15950	0.02	0.50	
N35	N36	29.97	DN100	-12.58653	-0.73	-1.51		N60	NC212	9.39	DN100	-4.15950	-0.03	-0.50	
N35	NT56	11.57	DN100	12.58653	0.28	1.51		N61	NT72	20.58	DN100	-0.72248	-0.00	-0.09	Vel.< 0.3 m/s
N36	NC193	24.37	DN100	-12.58653	-0.60	-1.51		N61	NT73	28.62	DN100	0.72248	0.00	0.09	Vel.< 0.3 m/s
N37	NC193	5.64	DN100	12.92853	0.14	1.55		N62	NC209	5.13	DN100	4.08950	0.02	0.49	
N37	NT68	6.64	DN100	-12.92853	-0.17	-1.55		N62	NC210	9.54	DN100	-4.08950	-0.03	-0.49	
N38	NC181	25.31	DN100	15.16482	0.87	1.82		N63	N64	30.01	DN100	6.61817	0.23	0.79	
N39	NT65	11.16	DN100	-15.16483	-0.39	-1.82		N63	NT63	14.40	DN100	-6.61818	-0.11	-0.79	
N40	NC249	4.28	DN100	6.05133	0.03	0.73		N64	NT64	5.16	DN100	6.61818	0.04	0.79	
N40	NC250	12.31	DN100	-6.05133	-0.08	-0.73		N65	NC203	26.65	DN100	-9.42932	-0.38	-1.13	
N41	NC251	1.65	DN100	6.12133	0.01	0.73		N65	NT71	24.96	DN100	9.42932	0.36	1.13	
N41	NC252	14.84	DN100	-6.12133	-0.10	-0.73		N66	NT61	31.89	DN100	1.75616	0.02	0.21	Vel.< 0.3 m/s
N42	NC252	14.62	DN100	6.15633	0.10	0.74		N66	NT62	18.12	DN100	-1.75616	-0.01	-0.21	Vel.< 0.3 m/s
N42	NC253	1.62	DN100	-6.15633	-0.01	-0.74		N67	NC200	13.49	DN100	11.06711	0.26	1.33	
N43	NC254	11.88	DN100	6.22633	0.08	0.75		N67	NC201	1.64	DN100	-11.06712	-0.03	-1.33	
N43	NC255	4.37	DN100	-6.22633	-0.03	-0.75		N68	NC202	13.51	DN100	11.13711	0.26	1.34	
N44	NC256	9.37	DN100	6.29633	0.06	0.76		N68	NT70	1.58	DN100	-11.13712	-0.03	-1.34	
N44	NC257	6.85	DN100	-6.29633	-0.05	-0.76		N69	N70	28.09	DN100	3.06707	0.05	0.37	
N45	NC258	6.77	DN100	6.36633	0.05	0.76		N69	NC190	58.73	DN100	-3.06707	-0.11	-0.37	
N45	NC259	9.53	DN100	-6.36633	-0.07	-0.76		N70	NT59	7.59	DN100	3.06707	0.01	0.37	
N46	NC260	4.16	DN100	6.43633	0.03	0.77		N71	N72	30.00	DN100	-11.43087	-0.61	-1.37	
N46	NC261	20.56	DN100	-6.43633	-0.15	-0.77		N72	NC263	2.39	DN100	-11.43088	-0.05	-1.37	
N47	NT76	9.30	DN100	-6.47133	-0.07	-0.78		N73	NT45	26.53	DN100	-3.59050	-0.07	-0.43	
N47	NT78	34.62	DN100	6.47132	0.25	0.78		N73	NT51	23.37	DN100	3.59050	0.06	0.43	
N48	NC229	1.91	DN100	6.96411	0.02	0.84		N74	NT39	8.73	DN100	0.34672	0.00	0.04	Vel.< 0.3 m/s
N48	NC230	14.38	DN100	-6.96410	-0.12	-0.84		N74	NT45	3.49	DN100	-0.34672	-0.00	-0.04	Vel.< 0.3 m/s

N75	NC163	2.74	DN100	4.53114	0.01	0.54		NC28	NT11	5.69	DN100	9.75533	0.09	1.17	
N75	NC164	12.08	DN100	-4.53114	-0.05	-0.54		NC29	NC30	39.03	DN100	0.54079	0.00	0.06	Vel.< 0.3 m/s
N76	NC165	2.78	DN100	4.60114	0.01	0.55		NC29	NT3	8.30	DN100	-0.82079	-0.00	-0.10	Vel.< 0.3 m/s
N76	NC166	12.20	DN100	-4.60114	-0.05	-0.55		NC30	NC31	9.30	DN100	0.26079	0.00	0.03	Vel.< 0.3 m/s
N77	NC167	2.95	DN100	4.67114	0.01	0.56		NC31	NC32	34.11	DN100	-0.01921	-0.00	-0.00	Vel.< 0.3 m/s
N77	NC168	12.23	DN100	-4.67114	-0.05	-0.56		NC32	NT12	9.59	DN100	-0.29921	-0.00	-0.04	Vel.< 0.3 m/s
N78	NC171	2.95	DN100	6.31114	0.02	0.76		NC33	NT4	14.20	DN100	-0.69305	-0.00	-0.08	Vel.< 0.3 m/s
N78	NT52	10.07	DN100	-6.31114	-0.07	-0.76		NC34	NC35	8.91	DN100	-0.63696	-0.00	-0.08	Vel.< 0.3 m/s
N79	N80	26.94	DN100	-10.26309	-0.45	-1.23		NC36	NT13	5.11	DN100	-1.96696	-0.00	-0.24	Vel.< 0.3 m/s
N79	NT47	5.52	DN100	10.26310	0.09	1.23		NC37	NT14	7.31	DN100	6.82416	0.06	0.82	
N80	NT53	16.54	DN100	-10.26309	-0.28	-1.23		NC38	NC39	6.39	DN100	9.79010	0.10	1.17	
N81	N82	30.00	DN100	-11.11590	-0.58	-1.33		NC38	NT14	28.10	DN100	-10.45509	-0.49	-1.25	
N81	NT53	13.46	DN100	11.11591	0.26	1.33		NC40	NT15	8.98	DN100	-6.91992	-0.07	-0.83	
N83	NC177	6.22	DN100	-0.69531	-0.00	-0.08	Vel.< 0.3 m/s	NC41	NC42	40.07	DN100	1.52929	0.02	0.18	Vel.< 0.3 m/s
N83	NC178	8.76	DN100	0.69531	0.00	0.08	Vel.< 0.3 m/s	NC41	NT5	8.82	DN100	-2.19429	-0.01	-0.26	Vel.< 0.3 m/s
N84	NC175	6.37	DN100	-0.76531	-0.00	-0.09	Vel.< 0.3 m/s	NC42	NC43	8.40	DN100	0.86429	0.00	0.10	Vel.< 0.3 m/s
N84	NC176	8.73	DN100	0.76531	0.00	0.09	Vel.< 0.3 m/s	NC43	NC44	38.81	DN100	0.19929	0.00	0.02	Vel.< 0.3 m/s
N85	NC19	21.43	DN250	-10.08726	-0.00	-0.20	Vel.< 0.3 m/s	NC44	NT15	9.18	DN100	-0.46571	-0.00	-0.06	Vel.< 0.3 m/s
N85	NT1	6.90	DN250	10.08726	0.00	0.20	Vel.< 0.3 m/s	NC45	NC46	39.50	DN100	0.14120	0.00	0.02	Vel.< 0.3 m/s
N86	NC11	16.46	DN100	-0.30129	-0.00	-0.04	Vel.< 0.3 m/s	NC45	NT6	11.19	DN100	-0.96370	-0.00	-0.12	Vel.< 0.3 m/s
N86	NC12	43.73	DN100	0.30129	0.00	0.04	Vel.< 0.3 m/s	NC46	NC47	7.20	DN100	-0.68130	-0.00	-0.08	Vel.< 0.3 m/s
NC1	NC2	6.20	DN100	10.94063	0.12	1.31		NC47	NC48	40.77	DN100	-1.50380	-0.02	-0.18	Vel.< 0.3 m/s
NC2	NC3	20.17	DN100	10.66062	0.36	1.28		NC48	NT16	6.61	DN100	-2.32630	-0.01	-0.28	Vel.< 0.3 m/s
NC3	NC4	10.34	DN100	10.38062	0.18	1.25		NC49	NC50	50.40	DN100	-0.27673	-0.00	-0.03	Vel.< 0.3 m/s
NC4	NT3	8.89	DN100	10.10062	0.15	1.21		NC49	NT16	9.65	DN100	-0.54577	-0.00	-0.07	Vel.< 0.3 m/s
NC5	NC6	19.26	DN100	7.92179	0.20	0.95		NC50	NC51	17.19	DN100	-1.09923	-0.01	-0.13	Vel.< 0.3 m/s
NC5	NT4	15.87	DN100	-8.58679	-0.19	-1.03		NC51	NC52	45.91	DN100	-1.92173	-0.04	-0.23	Vel.< 0.3 m/s
NC6	NC7	32.83	DN100	7.25679	0.29	0.87		NC52	NT17	6.56	DN100	-2.74423	-0.01	-0.33	
NC7	NC8	25.40	DN100	6.59179	0.19	0.79		NC53	NC54	24.62	DN100	9.93073	0.39	1.19	
NC9	NT6	10.76	DN100	-2.76880	-0.02	-0.33		NC53	NT19	5.16	DN100	-10.50824	-0.09	-1.26	
NC10	NC11	9.44	DN100	1.12380	0.00	0.13	Vel.< 0.3 m/s	NC54	NC55	3.62	DN100	9.35324	0.05	1.12	
NC12	NT7	6.17	DN100	-0.52121	-0.00	-0.06	Vel.< 0.3 m/s	NC55	NC56	21.34	DN100	8.77573	0.27	1.05	
NC14	NC15	8.39	DN100	-2.16621	-0.01	-0.26	Vel.< 0.3 m/s	NC56	NT20	1.26	DN100	8.19824	0.01	0.98	
NC15	NC16	38.52	DN100	-2.98871	-0.07	-0.36		NC57	NC72	31.20	DN100	-2.09725	-0.03	-0.25	Vel.< 0.3 m/s
NC17	NC18	37.56	DN200	74.77836	0.88	2.30		NC57	NT21	1.09	DN100	1.51975	0.00	0.18	Vel.< 0.3 m/s
NC17	NT8	24.61	DN200	-81.77838	-0.68	-2.51		NC58	NC59	51.60	DN100	6.45296	0.37	0.77	
NC18	NT9	33.27	DN200	67.77838	0.65	2.08		NC58	NT23	27.48	DN100	-6.87296	-0.22	-0.82	
NC19	NC20	63.32	DN250	-17.08726	-0.03	-0.34		NC60	NT24	5.22	DN100	-4.13704	-0.02	-0.50	
NC20	NT9	27.10	DN250	-24.08727	-0.03	-0.48		NC61	NT25	28.29	DN100	1.74309	0.02	0.21	Vel.< 0.3 m/s
NC21	NT2	13.61	DN100	1.13337	0.00	0.14	Vel.< 0.3 m/s	NC61	NT26	97.13	DN100	-2.47809	-0.13	-0.30	Vel.< 0.3 m/s
NC22	NC23	5.80	DN100	-1.69337	-0.00	-0.20	Vel.< 0.3 m/s	NC62	NC63	80.65	DN250	8.10449	0.01	0.16	Vel.< 0.3 m/s
NC24	NT10	3.68	DN100	-2.25337	-0.00	-0.27	Vel.< 0.3 m/s	NC63	NC64	49.85	DN250	-1.89552	-0.00	-0.04	Vel.< 0.3 m/s
NC25	NC26	32.29	DN100	10.59532	0.58	1.27		NC64	NT97	9.70	DN250	-11.89553	-0.00	-0.23	Vel.< 0.3 m/s
NC25	NT10	3.97	DN100	-10.87533	-0.07	-1.31		NC65	NC66	89.95	DN250	-37.96162	-0.20	-0.75	
NC26	NC27	5.43	DN100	10.31533	0.09	1.24		NC65	NT97	42.30	DN250	30.96162	0.07	0.61	
NC27	NC28	19.92	DN100	10.03532	0.32	1.20		NC66	NC67	19.78	DN250	-44.96164	-0.06	-0.89	

NC67	NT57	47.42	DN250	-45.11163	-0.15	-0.89			NC110	NC111	14.90	DN100	0.79437	0.00	0.10	Vel.< 0.3 m/s
NC68	NT19	13.65	DN100	-1.94969	-0.01	-0.23	Vel.< 0.3 m/s		NC111	NC112	14.93	DN100	0.75937	0.00	0.09	Vel.< 0.3 m/s
NC71	NT27	11.88	DN100	-0.36031	-0.00	-0.04	Vel.< 0.3 m/s		NC112	NC113	14.85	DN100	0.72437	0.00	0.09	Vel.< 0.3 m/s
NC72	NC73	14.24	DN100	-2.67475	-0.02	-0.32			NC113	NC114	12.54	DN100	0.68937	0.00	0.08	Vel.< 0.3 m/s
NC73	NC74	52.76	DN100	-3.25225	-0.11	-0.39			NC114	NT38	12.09	DN100	0.67187	0.00	0.08	Vel.< 0.3 m/s
NC74	NT28	11.65	DN100	-3.82975	-0.03	-0.46			NC115	NC116	15.06	DN100	5.06111	0.07	0.61	
NC75	NC76	24.83	DN100	-2.70592	-0.04	-0.32			NC117	NC118	15.00	DN100	4.99111	0.07	0.60	
NC75	NT22	10.93	DN100	2.28592	0.01	0.27	Vel.< 0.3 m/s		NC119	NC120	15.01	DN100	3.42111	0.03	0.41	
NC76	NC77	41.44	DN100	-3.12592	-0.08	-0.38			NC121	NC122	14.98	DN100	1.85111	0.01	0.22	Vel.< 0.3 m/s
NC78	NT29	11.09	DN100	-3.96593	-0.03	-0.48			NC123	NC124	10.11	DN100	4.80211	0.04	0.58	
NC79	NC80	35.36	DN100	-6.66908	-0.27	-0.80			NC123	NT41	10.42	DN100	-4.81961	-0.04	-0.58	
NC79	NT24	9.36	DN100	6.24909	0.06	0.75			NC124	NC125	15.08	DN100	4.76711	0.06	0.57	
NC80	NC81	17.42	DN100	-7.08908	-0.15	-0.85			NC126	NC127	14.82	DN100	3.19711	0.03	0.38	
NC81	NT30	10.90	DN100	-7.50909	-0.10	-0.90			NC128	NC129	14.91	DN100	1.62711	0.01	0.20	Vel.< 0.3 m/s
NC82	NT25	33.75	DN100	6.40256	0.24	0.77			NC129	NT42	11.79	DN100	1.59211	0.01	0.19	Vel.< 0.3 m/s
NC83	NC84	42.61	DN100	7.67682	0.42	0.92			NC130	NC131	15.12	DN100	0.64515	0.00	0.08	Vel.< 0.3 m/s
NC83	NT27	17.88	DN100	-8.25432	-0.20	-0.99			NC130	NT43	13.07	DN100	-0.68015	-0.00	-0.08	Vel.< 0.3 m/s
NC84	NC85	10.37	DN100	7.09932	0.09	0.85			NC132	NC133	14.98	DN100	0.57515	0.00	0.07	Vel.< 0.3 m/s
NC85	NC86	35.23	DN100	6.52182	0.26	0.78			NC134	NC135	15.00	DN100	0.50515	0.00	0.06	Vel.< 0.3 m/s
NC86	NT28	7.25	DN100	5.94432	0.05	0.71			NC136	NC137	13.25	DN100	0.43515	0.00	0.05	Vel.< 0.3 m/s
NC87	NC88	18.57	DN100	5.16221	0.09	0.62			NC137	NT44	10.07	DN100	0.41765	0.00	0.05	Vel.< 0.3 m/s
NC87	NT29	26.86	DN100	-5.58221	-0.15	-0.67			NC138	NC139	14.93	DN100	-3.97222	-0.04	-0.48	
NC88	NC89	22.60	DN100	4.74221	0.09	0.57			NC138	NT45	8.36	DN100	3.93722	0.02	0.47	
NC89	NC90	13.93	DN100	4.32221	0.05	0.52			NC139	NC140	15.08	DN100	-4.00722	-0.05	-0.48	
NC90	NT30	25.41	DN100	3.90221	0.07	0.47			NC140	NC141	15.08	DN100	-4.04222	-0.05	-0.49	
NC91	NT31	23.26	DN100	-2.17850	-0.02	-0.26	Vel.< 0.3 m/s		NC141	NC142	14.90	DN100	-4.07722	-0.05	-0.49	
NC91	NT32	107.19	DN100	1.44350	0.05	0.17	Vel.< 0.3 m/s		NC142	NC143	14.89	DN100	-4.11222	-0.05	-0.49	
NC92	NC93	10.54	DN100	5.68460	0.06	0.68			NC143	NC144	15.11	DN100	-4.14722	-0.05	-0.50	
NC92	NT33	4.91	DN100	-5.70210	-0.03	-0.68			NC144	NC145	15.10	DN100	-4.18222	-0.05	-0.50	
NC93	NC94	14.91	DN100	5.64960	0.08	0.68			NC145	NC146	15.15	DN100	-4.21722	-0.05	-0.51	
NC94	NC95	14.90	DN100	5.61460	0.08	0.67			NC146	NT46	13.00	DN100	-4.25222	-0.04	-0.51	
NC95	NC96	15.09	DN100	5.57960	0.08	0.67			NC147	NC148	11.73	DN100	-0.22282	-0.00	-0.03	Vel.< 0.3 m/s
NC96	NC97	15.08	DN100	5.54460	0.08	0.67			NC147	NT47	8.80	DN100	0.20532	0.00	0.02	Vel.< 0.3 m/s
NC97	NC98	15.10	DN100	5.50960	0.08	0.66			NC148	NC149	15.01	DN100	-0.25782	-0.00	-0.03	Vel.< 0.3 m/s
NC98	NC99	14.99	DN100	5.47460	0.08	0.66			NC149	NC150	14.96	DN100	-0.29282	-0.00	-0.04	Vel.< 0.3 m/s
NC99	NT34	13.03	DN100	5.43960	0.07	0.65			NC150	NC151	15.08	DN100	-0.32782	-0.00	-0.04	Vel.< 0.3 m/s
NC100	NC101	10.07	DN100	5.45346	0.05	0.65			NC151	NC152	15.11	DN100	-0.36282	-0.00	-0.04	Vel.< 0.3 m/s
NC100	NT35	10.45	DN100	-5.47096	-0.06	-0.66			NC152	NC153	14.82	DN100	-0.39782	-0.00	-0.05	Vel.< 0.3 m/s
NC101	NC102	15.08	DN100	5.41846	0.08	0.65			NC153	NT48	11.83	DN100	-0.43282	-0.00	-0.05	Vel.< 0.3 m/s
NC103	NC104	15.24	DN100	3.84846	0.04	0.46			NC154	NC155	12.73	DN100	-1.06360	-0.00	-0.13	Vel.< 0.3 m/s
NC105	NC106	14.82	DN100	-0.22154	-0.00	-0.03	Vel.< 0.3 m/s		NC154	NT49	7.71	DN100	1.04610	0.00	0.13	Vel.< 0.3 m/s
NC106	NT36	11.82	DN100	-0.25654	-0.00	-0.03	Vel.< 0.3 m/s		NC155	NC156	14.81	DN100	-1.09860	-0.00	-0.13	Vel.< 0.3 m/s
NC107	NC108	15.01	DN100	0.89937	0.00	0.11	Vel.< 0.3 m/s		NC156	NC157	15.12	DN100	-1.13360	-0.00	-0.14	Vel.< 0.3 m/s
NC107	NT37	12.94	DN100	-0.93437	-0.00	-0.11	Vel.< 0.3 m/s		NC157	NC158	14.98	DN100	-1.16860	-0.01	-0.14	Vel.< 0.3 m/s
NC108	NC109	15.05	DN100	0.86437	0.00	0.10	Vel.< 0.3 m/s		NC158	NC159	14.92	DN100	-1.20360	-0.01	-0.14	Vel.< 0.3 m/s
NC109	NC110	15.23	DN100	0.82937	0.00	0.10	Vel.< 0.3 m/s		NC159	NC160	15.11	DN100	-1.23860	-0.01	-0.15	Vel.< 0.3 m/s

NC160	NC161	14.99	DN100	-1.27360	-0.01	-0.15	Vel.< 0.3 m/s
NC161	NT50	15.50	DN100	-1.30860	-0.01	-0.16	Vel.< 0.3 m/s
NC162	NC163	13.11	DN100	-4.49614	-0.05	-0.54	
NC162	NT51	13.79	DN100	4.47864	0.05	0.54	
NC164	NC165	15.15	DN100	-4.56614	-0.06	-0.55	
NC166	NC167	14.86	DN100	-4.63614	-0.06	-0.56	
NC168	NC169	15.00	DN100	-4.70614	-0.06	-0.56	
NC170	NC171	14.72	DN100	-6.27614	-0.10	-0.75	
NC172	NT52	11.43	DN100	10.56336	0.20	1.27	
NC172	NT60	66.00	DN100	-11.07335	-1.28	-1.33	
NC173	NC174	10.89	DN100	0.83531	0.00	0.10	Vel.< 0.3 m/s
NC173	NT53	9.66	DN100	-0.85281	-0.00	-0.10	Vel.< 0.3 m/s
NC174	NC175	15.17	DN100	0.80031	0.00	0.10	Vel.< 0.3 m/s
NC176	NC177	15.06	DN100	0.73031	0.00	0.09	Vel.< 0.3 m/s
NC178	NC179	14.94	DN100	0.66031	0.00	0.08	Vel.< 0.3 m/s
NC179	NT54	11.53	DN100	0.62531	0.00	0.08	Vel.< 0.3 m/s
NC180	NT54	10.13	DN100	9.49555	0.15	1.14	
NC180	NT64	67.07	DN100	-9.80754	-1.04	-1.18	
NC182	NC183	11.28	DN100	-4.53243	-0.04	-0.54	
NC182	NT55	9.25	DN100	4.51493	0.03	0.54	
NC184	NC185	14.99	DN100	-4.60243	-0.06	-0.55	
NC186	NC187	14.86	DN100	-4.67243	-0.06	-0.56	
NC188	NC189	14.99	DN100	-4.74243	-0.06	-0.57	
NC189	NT56	10.84	DN100	-4.77743	-0.05	-0.57	
NC190	NC191	29.77	DN100	-3.08457	-0.06	-0.37	
NC191	NT60	27.49	DN100	-3.11957	-0.05	-0.37	
NC192	NT61	12.22	DN100	-11.42791	-0.25	-1.37	
NC194	NC195	22.66	DN100	-7.89817	-0.24	-0.95	
NC194	NT59	34.25	DN100	7.86317	0.35	0.94	
NC195	NC196	15.01	DN100	-7.93317	-0.16	-0.95	
NC196	NC197	14.88	DN100	-7.96817	-0.16	-0.96	
NC197	NC198	15.08	DN100	-8.00317	-0.16	-0.96	
NC199	NC262	16.69	DN100	-12.86756	-0.43	-1.54	
NC199	NT60	29.17	DN100	12.83256	0.74	1.54	
NC200	NT61	12.58	DN100	11.03211	0.24	1.32	
NC201	NC202	14.89	DN100	-11.10211	-0.29	-1.33	
NC203	NT70	0.87	DN100	-9.46433	-0.01	-1.14	
NC204	NC205	17.32	DN100	-4.38984	-0.06	-0.53	
NC204	NT62	24.58	DN100	4.35484	0.09	0.52	
NC205	NC206	17.34	DN100	-4.42484	-0.06	-0.53	
NC206	NC207	17.29	DN100	-4.45984	-0.06	-0.54	
NC207	NT71	13.38	DN100	-4.49484	-0.05	-0.54	
NC208	NC209	14.91	DN100	-4.05450	-0.05	-0.49	
NC208	NT63	12.76	DN100	4.01950	0.04	0.48	
NC210	NC211	15.32	DN100	-4.12450	-0.05	-0.50	
NC212	NC213	12.05	DN100	-4.19450	-0.04	-0.50	

NC213	NT72	8.79	DN100	-4.21200	-0.03	-0.51	
NC214	NC215	16.79	DN100	-5.64326	-0.10	-0.68	
NC214	NT64	22.86	DN100	5.60826	0.13	0.67	
NC215	NC216	17.28	DN100	-5.67826	-0.10	-0.68	
NC216	NC217	16.70	DN100	-5.71326	-0.10	-0.69	
NC217	NC218	16.85	DN100	-5.74826	-0.10	-0.69	
NC218	NC219	16.58	DN100	-5.78326	-0.10	-0.69	
NC219	NT73	8.66	DN100	-5.80076	-0.05	-0.70	
NC220	NT65	12.78	DN100	5.83342	0.08	0.70	
NC221	NC222	14.79	DN100	-5.90342	-0.09	-0.71	
NC223	NC224	15.10	DN100	-5.97342	-0.09	-0.72	
NC225	NC226	14.93	DN100	-6.04342	-0.10	-0.73	
NC227	NT74	7.89	DN100	-6.11342	-0.05	-0.73	
NC228	NC229	16.18	DN100	-6.92910	-0.13	-0.83	
NC228	NT66	13.53	DN100	6.91160	0.11	0.83	
NC231	NC232	16.69	DN100	-7.03410	-0.14	-0.84	
NC233	NC234	16.63	DN100	-7.10410	-0.14	-0.85	
NC235	NC236	16.64	DN100	-7.17410	-0.15	-0.86	
NC237	NC238	14.96	DN100	-6.94814	-0.12	-0.83	
NC237	NT67	12.82	DN100	6.91314	0.10	0.83	
NC238	NC239	14.97	DN100	-6.98314	-0.12	-0.84	
NC239	NC240	15.07	DN100	-7.01814	-0.13	-0.84	
NC240	NC241	14.91	DN100	-7.05314	-0.13	-0.85	
NC241	NC242	14.82	DN100	-7.08814	-0.13	-0.85	
NC242	NC243	15.02	DN100	-7.12314	-0.13	-0.85	
NC243	NC244	14.96	DN100	-7.15814	-0.13	-0.86	
NC244	NC245	14.96	DN100	-7.19314	-0.13	-0.86	
NC245	NC246	14.93	DN100	-7.22814	-0.13	-0.87	
NC246	NC247	15.15	DN100	-7.26314	-0.14	-0.87	
NC247	NC248	14.68	DN100	-7.29814	-0.13	-0.88	
NC248	NT76	6.24	DN100	-7.33314	-0.06	-0.88	
NC249	NT68	21.13	DN100	6.01633	0.13	0.72	
NC253	NC254	16.59	DN100	-6.19133	-0.11	-0.74	
NC255	NC256	16.31	DN100	-6.26133	-0.11	-0.75	
NC257	NC258	16.39	DN100	-6.33133	-0.11	-0.76	
NC259	NC260	16.33	DN100	-6.40133	-0.12	-0.77	
NC261	NT79	7.52	DN100	-6.47133	-0.05	-0.78	
NC262	NT69	2.12	DN100	-12.90258	-0.05	-1.55	
NC263	NT58	3.32	DN100	-11.94088	-0.07	-1.43	
NT1	NT2	41.50	DN150	10.08726	0.10	0.55	
NT3	NT4	27.71	DN100	9.27983	0.39	1.11	
NT5	NT6	15.71	DN100	3.73250	0.04	0.45	
NT8	SG1	137.03	DN200	-81.77829	-3.80	-2.51	
NT9	NT10	25.53	DN150	13.12870	0.10	0.71	
NT9	NT18	38.82	DN250	30.56244	0.06	0.60	
NT11	NT12	8.69	DN100	9.75533	0.13	1.17	

NT12	NT13	25.40	DN100	9.45611	0.37	1.13	Vel.< 0.3 m/s
NT14	NT23	37.00	DN100	-3.63094	-0.09	-0.44	
NT15	NT16	15.70	DN100	-2.32684	-0.02	-0.28	
NT15	NT24	40.35	DN100	-5.05878	-0.19	-0.61	
NT16	NT25	40.35	DN100	-5.19891	-0.20	-0.62	
NT17	NT26	38.84	DN100	-6.55544	-0.29	-0.79	
NT22	NT23	11.33	DN100	10.50390	0.20	1.26	
NT24	NT25	15.70	DN100	-2.94673	-0.03	-0.35	
NT26	NT32	22.79	DN100	-9.03352	-0.30	-1.08	
NT27	NT33	15.31	DN100	10.45149	0.27	1.25	
NT27	NT97	25.95	DN150	-19.06612	-0.19	-1.03	Vel.< 0.3 m/s
NT28	NT29	25.40	DN100	8.29918	0.29	1.00	
NT28	NT34	14.40	DN100	-6.18461	-0.10	-0.74	
NT29	NT35	14.40	DN100	-1.24896	-0.01	-0.15	
NT30	NT31	14.40	DN100	3.43551	0.03	0.41	
NT30	NT36	14.40	DN100	-7.04239	-0.12	-0.85	
NT31	NT37	14.40	DN100	-5.88055	-0.09	-0.71	
NT32	NT38	14.69	DN100	-7.59002	-0.14	-0.91	
NT34	NT40	49.00	DN100	-0.74501	-0.01	-0.09	
NT35	NT41	49.00	DN100	-6.71991	-0.38	-0.81	
NT36	NT42	49.00	DN100	-7.29893	-0.44	-0.88	Vel.< 0.3 m/s
NT40	NT41	25.40	DN100	1.07110	0.01	0.13	
NT41	NT47	11.40	DN100	-10.46842	-0.20	-1.26	
NT42	NT43	14.40	DN80	3.98121	0.12	0.73	
NT42	NT48	11.40	DN80	-9.68804	-0.48	-1.76	
NT43	NT49	11.40	DN100	-3.51385	-0.03	-0.42	
NT44	NT50	11.42	DN100	-6.50051	-0.08	-0.78	
NT46	NT52	49.00	DN100	-4.25222	-0.17	-0.51	
NT48	NT54	49.00	DN100	-10.12086	-0.80	-1.21	
NT57	NT58	25.07	DN150	1.01064	0.00	0.05	Vel.< 0.3 m/s
NT57	NT82	92.44	DN250	-46.12226	-0.30	-0.91	
NT58	NT59	34.49	DN100	-10.93023	-0.65	-1.31	
NT60	NT61	25.91	DN100	-1.36036	-0.01	-0.16	
NT62	NT63	9.49	DN100	2.59868	0.01	0.31	
NT64	NT65	14.53	DN80	2.41888	0.05	0.44	
NT65	NT66	49.45	DN100	-6.91253	-0.40	-0.83	
NT66	NT67	9.42	DN100	0.00000	-0.00	0.00	
NT67	NT68	53.79	DN100	6.91220	0.44	0.83	
NT69	NT81	11.78	DN100	-20.94073	-0.74	-2.51	Vel.máx.
NT70	NT81	13.62	DN100	-20.60142	-0.83	-2.47	
NT71	NT72	9.20	DN100	4.93448	0.04	0.59	
NT75	NT80	5.95	DN100	-18.40078	-0.29	-2.21	
NT76	NT80	5.95	DN100	-13.80447	-0.17	-1.66	
NT78	NT79	16.02	DN100	6.47133	0.12	0.78	
NT80	SG2	30.07	DN150	-32.20524	-0.59	-1.74	
NT81	SG3	38.53	DN150	-41.54213	-1.22	-2.25	

NT82	NT83	29.12	DN250	-46.12228	-0.09	-0.91
NT83	NT84	34.65	DN250	-46.12227	-0.11	-0.91
NT84	NT85	26.41	DN250	-46.12228	-0.09	-0.91
NT85	NT86	185.68	DN250	-46.12224	-0.60	-0.91
NT86	NT87	82.40	DN250	-46.12226	-0.27	-0.91
NT87	NT89	23.72	DN250	-46.12228	-0.08	-0.91
NT89	NT90	59.94	DN250	-46.12226	-0.19	-0.91
NT90	NT91	88.50	DN250	-46.12226	-0.29	-0.91
NT91	NT92	102.27	DN250	-46.12225	-0.33	-0.91
NT92	NT93	39.08	DN250	-46.12227	-0.13	-0.91
NT93	NT94	27.64	DN250	-46.12228	-0.09	-0.91
NT94	SG4	16.46	DN250	-46.12229	-0.05	-0.91

Combinaciones: H1+H2

Inicio	Final	Longitud m	Diámetros mm	Caudal l/s	Périd. m.c.a.	Velocidad m/s	Coment.
BR39	NC39	25.31	DN100	-3.88930	-0.07	-0.47	Vel.< 0.3 m/s
BR39	NC40	20.66	DN100	3.88930	0.06	0.47	
BR48	NT21	7.01	DN100	-6.65862	-0.05	-0.80	
BR48	NT22	18.49	DN100	6.65862	0.14	0.80	
BR52	NC59	11.31	DN100	-2.67075	-0.02	-0.32	
BR52	NC60	9.90	DN100	2.67075	0.01	0.32	
BR64	NC104	12.64	DN100	-2.60130	-0.02	-0.31	
BR64	NC105	2.50	DN100	0.10129	0.00	0.01	
BR65	NC102	12.59	DN100	-2.67130	-0.02	-0.32	
BR65	NC103	2.17	DN100	2.67130	0.00	0.32	
BR88	NC127	11.50	DN100	-1.12259	-0.00	-0.13	Vel.< 0.3 m/s
BR88	NC128	3.49	DN100	1.12259	0.00	0.13	Vel.< 0.3 m/s
BR89	NC125	11.53	DN100	-1.19259	-0.00	-0.14	Vel.< 0.3 m/s
BR89	NC126	3.70	DN100	1.19259	0.00	0.14	Vel.< 0.3 m/s
BR92	NC120	7.89	DN100	-2.88692	-0.01	-0.35	Vel.< 0.3 m/s
BR92	NC121	7.07	DN100	2.88692	0.01	0.35	
BR93	NC118	8.00	DN100	-2.95692	-0.01	-0.35	
BR93	NC119	7.14	DN100	2.95692	0.01	0.35	
BR99	H9	21.39	DN100	-1.15827	-0.01	-0.14	Vel.< 0.3 m/s
BR99	NT51	6.66	DN100	1.15827	0.00	0.14	Vel.< 0.3 m/s
BR107	NC181	4.70	DN100	-7.89706	-0.05	-0.95	Vel.máx.
BR107	NT55	6.01	DN100	7.89706	0.06	0.95	
BR115	NC169	2.77	DN100	3.22971	0.01	0.39	
BR115	NC170	12.41	DN100	-3.22971	-0.03	-0.39	
H1	NC1	9.98	DN100	4.74738	0.04	0.57	
H1	NT2	10.61	DN100	-21.34737	-0.69	-2.56	
H2	NC8	18.03	DN100	-5.99575	-0.11	-0.72	
H2	NT5	5.47	DN100	-10.60426	-0.10	-1.27	
H3	NC13	5.44	DN100	-3.61245	-0.01	-0.43	

H3	NT7	3.12	DN100	3.61245	0.01	0.43		N15	NC68	19.49	DN100	0.54273	0.00	0.07	Vel.< 0.3 m/s
H4	NC62	31.11	DN250	6.99387	0.00	0.14	Vel.< 0.3 m/s	N16	NT20	13.46	DN100	-4.65352	-0.05	-0.56	
H4	NT18	7.10	DN250	-6.99387	-0.00	-0.14	Vel.< 0.3 m/s	N16	NT21	26.25	DN100	4.65352	0.10	0.56	
H5	N11	28.66	DN100	-1.69773	-0.02	-0.20	Vel.< 0.3 m/s	N17	NT18	4.50	DN100	-6.99829	-0.04	-0.84	
H5	N12	2.54	DN100	1.69773	0.00	0.20	Vel.< 0.3 m/s	N17	NT19	20.61	DN150	6.99829	0.03	0.38	
H6	NC77	7.27	DN100	4.39522	0.03	0.53		N18	N19	30.00	DN100	-4.39810	-0.11	-0.53	
H6	NC78	15.27	DN100	-4.39522	-0.06	-0.53		N18	NT33	1.22	DN100	4.39811	0.00	0.53	
H7	N10	13.86	DN100	6.87435	0.11	0.83		N19	NT39	21.29	DN100	-4.39810	-0.08	-0.53	
H7	NT31	15.24	DN100	-6.87435	-0.12	-0.83		N20	NC115	7.00	DN100	3.09692	0.01	0.37	
H8	N23	27.84	DN100	7.71125	0.28	0.93		N20	NT39	12.08	DN100	-3.09692	-0.02	-0.37	
H8	N24	2.91	DN100	-7.71126	-0.03	-0.93		N21	NC116	7.97	DN100	-3.02692	-0.01	-0.36	
H9	N71	8.63	DN100	-1.15827	-0.00	-0.14	Vel.< 0.3 m/s	N21	NC117	7.11	DN100	3.02692	0.01	0.36	
H10	N82	6.56	DN100	8.31805	0.08	1.00		N22	NC122	7.96	DN100	-2.81692	-0.01	-0.34	
H10	NC192	15.26	DN100	-8.31805	-0.17	-1.00		N22	NT40	5.05	DN100	2.81692	0.01	0.34	
H11	N38	25.00	DN100	8.23906	0.28	0.99		N23	NT38	4.65	DN100	7.71125	0.05	0.93	
H11	N39	5.06	DN100	-8.23906	-0.06	-0.99		N24	NT44	13.63	DN100	-7.71125	-0.14	-0.93	
H12	NC198	7.06	DN100	6.86567	0.06	0.82		N25	NC135	8.58	DN100	-0.08150	-0.00	-0.01	Vel.< 0.3 m/s
H12	NT69	34.08	DN100	-6.86566	-0.28	-0.82		N25	NC136	6.36	DN100	0.08150	0.00	0.01	Vel.< 0.3 m/s
H13	NC250	6.92	DN100	3.86962	0.02	0.46		N26	NC133	8.63	DN100	-0.15150	-0.00	-0.02	Vel.< 0.3 m/s
H13	NC251	9.77	DN100	-3.86962	-0.03	-0.46		N26	NC134	6.43	DN100	0.15150	0.00	0.02	Vel.< 0.3 m/s
H14	N53	22.21	DN100	-7.24066	-0.20	-0.87		N27	NC131	8.59	DN100	-0.22150	-0.00	-0.03	Vel.< 0.3 m/s
H14	N58	8.16	DN100	7.24067	0.07	0.87		N27	NC132	6.40	DN100	0.22150	0.00	0.03	Vel.< 0.3 m/s
N1	NC23	28.40	DN100	4.20269	0.09	0.50		N28	NT37	22.80	DN100	7.54265	0.22	0.91	
N1	NC24	15.62	DN100	-4.20269	-0.05	-0.50		N28	NT43	26.20	DN100	-7.54265	-0.25	-0.91	
N2	NC21	11.08	DN100	3.64269	0.03	0.44		N29	N30	26.90	DN100	-7.78237	-0.27	-0.93	
N2	NC22	24.47	DN100	-3.64269	-0.06	-0.44		N29	NT50	4.00	DN100	7.78237	0.04	0.93	
N3	NC33	21.20	DN100	3.26633	0.04	0.39		N30	NT56	18.31	DN100	-7.78237	-0.19	-0.93	
N3	NC34	12.38	DN100	-3.26633	-0.03	-0.39		N31	NT49	24.01	DN100	7.79754	0.24	0.94	
N4	NC35	8.76	DN100	4.59634	0.03	0.55		N31	NT55	25.00	DN100	-7.79754	-0.25	-0.94	
N4	NC36	18.71	DN100	-4.59633	-0.07	-0.55		N32	NC183	11.20	DN100	-0.04702	-0.00	-0.01	Vel.< 0.3 m/s
N5	NC37	25.14	DN100	-0.39878	-0.00	-0.05	Vel.< 0.3 m/s	N32	NC184	3.84	DN100	0.00000	0.00	0.00	Vel.< 0.3 m/s
N5	NT13	6.22	DN100	0.39878	0.00	0.05	Vel.< 0.3 m/s	N33	NC185	11.17	DN100	0.02298	0.00	0.00	Vel.< 0.3 m/s
N6	NC9	49.73	DN100	1.14495	0.02	0.14	Vel.< 0.3 m/s	N33	NC186	3.89	DN100	0.00000	-0.00	0.00	Vel.< 0.3 m/s
N6	NC10	4.11	DN100	-1.14495	-0.00	-0.14	Vel.< 0.3 m/s	N34	NC187	11.27	DN100	0.09298	0.00	0.01	Vel.< 0.3 m/s
N7	N8	30.01	DN100	-4.43495	-0.11	-0.53		N34	NC188	3.84	DN100	-0.09298	-0.00	-0.01	Vel.< 0.3 m/s
N7	NC13	4.29	DN100	4.43495	0.02	0.53		N35	N36	29.97	DN100	-7.94535	-0.32	-0.95	
N8	NC14	3.43	DN100	-4.43495	-0.01	-0.53		N35	NT56	11.57	DN100	7.94535	0.12	0.95	
N9	NC16	9.67	DN100	6.90245	0.08	0.83		N36	NC193	24.37	DN100	-7.94535	-0.26	-0.95	
N9	NT17	9.23	DN100	-6.90245	-0.08	-0.83		N37	NC193	5.64	DN100	8.28735	0.06	0.99	
N10	NC82	3.91	DN100	6.87435	0.03	0.83		N37	NT68	6.64	DN100	-8.28735	-0.08	-0.99	
N11	NC71	1.66	DN100	-1.69773	-0.00	-0.20	Vel.< 0.3 m/s	N38	NC181	25.31	DN100	8.23906	0.28	0.99	
N12	NC70	28.65	DN100	1.69773	0.02	0.20	Vel.< 0.3 m/s	N39	NT65	11.16	DN100	-8.23906	-0.13	-0.99	
N13	NC69	9.68	DN100	1.12023	0.00	0.13	Vel.< 0.3 m/s	N40	NC249	4.28	DN100	3.83462	0.01	0.46	
N13	NC70	1.36	DN100	-1.12023	-0.00	-0.13	Vel.< 0.3 m/s	N40	NC250	12.31	DN100	-3.83462	-0.03	-0.46	
N14	N15	30.01	DN100	0.54273	0.00	0.07	Vel.< 0.3 m/s	N41	NC251	1.65	DN100	3.90462	0.00	0.47	
N14	NC69	20.34	DN100	-0.54273	-0.00	-0.07	Vel.< 0.3 m/s	N41	NC252	14.84	DN100	-3.90462	-0.04	-0.47	

N42	NC252	14.62	DN100	3.93962	0.04	0.47		N66	NT62	18.12	DN100	-1.89336	-0.01	-0.23	Vel.< 0.3 m/s
N42	NC253	1.62	DN100	-3.93962	-0.00	-0.47		N67	NC200	13.49	DN100	8.43895	0.16	1.01	
N43	NC254	11.88	DN100	4.00962	0.04	0.48		N67	NC201	1.64	DN100	-8.43895	-0.02	-1.01	
N43	NC255	4.37	DN100	-4.00962	-0.01	-0.48		N68	NC202	13.51	DN100	8.50895	0.16	1.02	
N44	NC256	9.37	DN100	4.07962	0.03	0.49		N68	NT70	1.58	DN100	-8.50895	-0.02	-1.02	
N44	NC257	6.85	DN100	-4.07962	-0.02	-0.49		N69	N70	28.09	DN100	3.73508	0.08	0.45	
N45	NC258	6.77	DN100	4.14962	0.02	0.50		N69	NC190	58.73	DN100	-3.73508	-0.16	-0.45	
N45	NC259	9.53	DN100	-4.14962	-0.03	-0.50		N70	NT59	7.59	DN100	3.73508	0.02	0.45	
N46	NC260	4.16	DN100	4.21962	0.01	0.51		N71	N72	30.00	DN100	-1.15827	-0.01	-0.14	Vel.< 0.3 m/s
N46	NC261	20.56	DN100	-4.21962	-0.07	-0.51		N72	NC263	2.39	DN100	-1.15827	-0.00	-0.14	Vel.< 0.3 m/s
N47	NT76	9.30	DN100	-4.25462	-0.03	-0.51		N73	NT45	26.53	DN100	4.12548	0.09	0.50	
N47	NT78	34.62	DN100	4.25462	0.12	0.51		N73	NT51	23.37	DN100	-4.12548	-0.08	-0.50	
N48	NC229	1.91	DN100	4.48663	0.01	0.54		N74	NT39	8.73	DN100	7.49502	0.08	0.90	
N48	NC230	14.38	DN100	-4.48662	-0.05	-0.54		N74	NT45	3.49	DN100	-7.49502	-0.03	-0.90	
N49	NC230	14.58	DN100	4.52162	0.06	0.54		N75	NC163	2.74	DN100	3.01971	0.01	0.36	
N49	NC231	2.43	DN100	-4.52163	-0.01	-0.54		N75	NC164	12.08	DN100	-3.01971	-0.02	-0.36	
N50	NC232	11.20	DN100	4.59162	0.04	0.55		N76	NC165	2.78	DN100	3.08971	0.01	0.37	
N50	NC233	5.43	DN100	-4.59163	-0.02	-0.55		N76	NC166	12.20	DN100	-3.08971	-0.02	-0.37	
N51	NC234	7.91	DN100	4.66163	0.03	0.56		N77	NC167	2.95	DN100	3.15971	0.01	0.38	
N51	NC235	8.78	DN100	-4.66163	-0.04	-0.56		N77	NC168	12.23	DN100	-3.15971	-0.02	-0.38	
N52	NC236	4.59	DN100	4.73163	0.02	0.57		N78	NC171	2.95	DN100	3.29971	0.01	0.40	
N52	NT75	20.73	DN100	-4.73162	-0.09	-0.57		N78	NT52	10.07	DN100	-3.29971	-0.02	-0.40	
N53	NT75	9.20	DN100	-7.24067	-0.08	-0.87		N79	N80	26.94	DN100	-7.93512	-0.28	-0.95	
N54	NC220	6.39	DN100	3.75497	0.02	0.45		N79	NT47	5.52	DN100	7.93513	0.06	0.95	
N54	NC221	8.67	DN100	-3.75497	-0.02	-0.45		N80	NT53	16.54	DN100	-7.93512	-0.17	-0.95	
N55	NC222	6.58	DN100	3.82497	0.02	0.46		N81	N82	30.00	DN100	-8.31805	-0.34	-1.00	
N55	NC223	8.41	DN100	-3.82497	-0.02	-0.46		N81	NT53	13.46	DN100	8.31805	0.15	1.00	
N56	NC224	6.55	DN100	3.89497	0.02	0.47		N83	NC177	6.22	DN100	-0.22543	-0.00	-0.03	Vel.< 0.3 m/s
N56	NC225	8.35	DN100	-3.89497	-0.02	-0.47		N83	NC178	8.76	DN100	0.22543	0.00	0.03	Vel.< 0.3 m/s
N57	NC226	6.86	DN100	3.96497	0.02	0.48		N84	NC175	6.37	DN100	-0.29543	-0.00	-0.04	Vel.< 0.3 m/s
N57	NC227	8.07	DN100	-3.96497	-0.02	-0.48		N84	NC176	8.73	DN100	0.29543	0.00	0.04	Vel.< 0.3 m/s
N58	NT74	15.12	DN100	7.24067	0.13	0.87		N85	NC19	21.43	DN250	-17.98470	-0.01	-0.35	
N59	NT73	1.43	DN100	3.24070	0.00	0.39		N85	NT1	6.90	DN250	17.98471	0.00	0.35	
N59	NT74	13.44	DN100	-3.24070	-0.03	-0.39		N86	NC11	16.46	DN100	2.78995	0.03	0.33	
N60	NC211	5.54	DN100	3.02705	0.01	0.36		N86	NC12	43.73	DN100	-2.78995	-0.07	-0.33	
N60	NC212	9.39	DN100	-3.02705	-0.02	-0.36		NC1	NC2	6.20	DN100	4.46738	0.02	0.54	
N61	NT72	20.58	DN100	-0.69013	-0.00	-0.08	Vel.< 0.3 m/s	NC2	NC3	20.17	DN100	4.18737	0.07	0.50	
N61	NT73	28.62	DN100	0.69013	0.00	0.08	Vel.< 0.3 m/s	NC3	NC4	10.34	DN100	3.90738	0.03	0.47	
N62	NC209	5.13	DN100	2.95705	0.01	0.35		NC4	NT3	8.89	DN100	3.62738	0.02	0.44	
N62	NC210	9.54	DN100	-2.95705	-0.02	-0.35		NC5	NC6	19.26	DN100	7.99075	0.20	0.96	
N63	N64	30.01	DN100	4.19114	0.10	0.50		NC5	NT4	15.87	DN100	-8.65575	-0.20	-1.04	
N63	NT63	14.40	DN100	-4.19114	-0.05	-0.50		NC6	NC7	32.83	DN100	7.32575	0.30	0.88	
N64	NT64	5.16	DN100	4.19114	0.02	0.50		NC7	NC8	25.40	DN100	6.66075	0.19	0.80	
N65	NC203	26.65	DN100	-7.10712	-0.23	-0.85		NC9	NT6	10.76	DN100	0.32245	0.00	0.04	Vel.< 0.3 m/s
N65	NT71	24.96	DN100	7.10712	0.21	0.85		NC10	NC11	9.44	DN100	-1.96745	-0.01	-0.24	Vel.< 0.3 m/s
N66	NT61	31.89	DN100	1.89336	0.03	0.23	Vel.< 0.3 m/s	NC12	NT7	6.17	DN100	-3.61245	-0.02	-0.43	

NC14	NC15	8.39	DN100	-5.25745	-0.04	-0.63		NC56	NT20	1.26	DN100	4.65352	0.01	0.56	
NC15	NC16	38.52	DN100	-6.07995	-0.25	-0.73		NC57	NC72	31.20	DN100	-2.58260	-0.04	-0.31	
NC17	NC18	37.56	DN200	66.98914	0.72	2.06		NC57	NT21	1.09	DN100	2.00510	0.00	0.24	Vel.< 0.3 m/s
NC17	NT8	24.61	DN200	-73.98915	-0.57	-2.27		NC58	NC59	51.60	DN100	3.09075	0.10	0.37	
NC18	NT9	33.27	DN200	59.98915	0.52	1.84		NC58	NT23	27.48	DN100	-3.51075	-0.07	-0.42	
NC19	NC20	63.32	DN250	-24.98470	-0.07	-0.49		NC60	NT24	5.22	DN100	2.25075	0.01	0.27	Vel.< 0.3 m/s
NC20	NT9	27.10	DN250	-31.98471	-0.04	-0.63		NC61	NT25	28.29	DN100	0.73315	0.00	0.09	Vel.< 0.3 m/s
NC21	NT2	13.61	DN100	3.36269	0.03	0.40		NC61	NT26	97.13	DN100	-1.46815	-0.05	-0.18	Vel.< 0.3 m/s
NC22	NC23	5.80	DN100	-3.92269	-0.02	-0.47		NC62	NC63	80.65	DN250	-3.00614	-0.00	-0.06	Vel.< 0.3 m/s
NC24	NT10	3.68	DN100	-4.48269	-0.01	-0.54		NC63	NC64	49.85	DN250	-13.00615	-0.02	-0.26	Vel.< 0.3 m/s
NC25	NC26	32.29	DN100	9.24960	0.45	1.11		NC64	NT97	9.70	DN250	-23.00614	-0.01	-0.45	
NC25	NT10	3.97	DN100	-9.52961	-0.06	-1.14		NC65	NC66	89.95	DN250	-35.71054	-0.18	-0.70	
NC26	NC27	5.43	DN100	8.96960	0.07	1.08		NC65	NT97	42.30	DN250	28.71055	0.06	0.57	
NC27	NC28	19.92	DN100	8.68960	0.25	1.04		NC66	NC67	19.78	DN250	-42.71057	-0.06	-0.84	
NC28	NT11	5.69	DN100	8.40960	0.07	1.01		NC67	NT57	47.42	DN250	-42.86055	-0.13	-0.85	
NC29	NC30	39.03	DN100	-2.70704	-0.06	-0.32		NC68	NT19	13.65	DN100	-0.03477	-0.00	-0.00	Vel.< 0.3 m/s
NC29	NT3	8.30	DN100	2.42705	0.01	0.29	Vel.< 0.3 m/s	NC71	NT27	11.88	DN100	-2.27523	-0.01	-0.27	Vel.< 0.3 m/s
NC30	NC31	9.30	DN100	-2.98705	-0.02	-0.36		NC72	NC73	14.24	DN100	-3.16010	-0.03	-0.38	
NC31	NC32	34.11	DN100	-3.26704	-0.07	-0.39		NC73	NC74	52.76	DN100	-3.73760	-0.14	-0.45	
NC32	NT12	9.59	DN100	-3.54705	-0.02	-0.43		NC74	NT28	11.65	DN100	-4.31510	-0.04	-0.52	
NC33	NT4	14.20	DN100	2.60133	0.02	0.31		NC75	NC76	24.83	DN100	-3.55522	-0.06	-0.43	
NC34	NC35	8.91	DN100	-3.93133	-0.03	-0.47		NC75	NT22	10.93	DN100	3.13522	0.02	0.38	
NC36	NT13	5.11	DN100	-5.26134	-0.03	-0.63		NC76	NC77	41.44	DN100	-3.97522	-0.12	-0.48	
NC37	NT14	7.31	DN100	-1.06378	-0.00	-0.13	Vel.< 0.3 m/s	NC78	NT29	11.09	DN100	-4.81522	-0.05	-0.58	
NC38	NC39	6.39	DN100	4.55430	0.02	0.55		NC79	NC80	35.36	DN100	-6.12982	-0.23	-0.74	
NC38	NT14	28.10	DN100	-5.21930	-0.14	-0.63		NC79	NT24	9.36	DN100	5.70982	0.05	0.69	
NC40	NT15	8.98	DN100	3.22430	0.02	0.39		NC80	NC81	17.42	DN100	-6.54982	-0.13	-0.79	
NC41	NC42	40.07	DN100	-6.15974	-0.27	-0.74		NC81	NT30	10.90	DN100	-6.96982	-0.09	-0.84	
NC41	NT5	8.82	DN100	5.49474	0.05	0.66		NC82	NT25	33.75	DN100	6.13935	0.22	0.74	
NC42	NC43	8.40	DN100	-6.82474	-0.07	-0.82		NC83	NC84	42.61	DN100	4.18374	0.14	0.50	
NC43	NC44	38.81	DN100	-7.48974	-0.37	-0.90		NC83	NT27	17.88	DN100	-4.76125	-0.07	-0.57	
NC44	NT15	9.18	DN100	-8.15474	-0.10	-0.98		NC84	NC85	10.37	DN100	3.60625	0.03	0.43	
NC45	NC46	39.50	DN100	-5.60957	-0.22	-0.67		NC85	NC86	35.23	DN100	3.02874	0.07	0.36	
NC45	NT6	11.19	DN100	4.78707	0.05	0.57		NC86	NT28	7.25	DN100	2.45124	0.01	0.29	Vel.< 0.3 m/s
NC46	NC47	7.20	DN100	-6.43207	-0.05	-0.77		NC87	NC88	18.57	DN100	3.43637	0.04	0.41	
NC47	NC48	40.77	DN100	-7.25457	-0.36	-0.87		NC87	NT29	26.86	DN100	-3.85637	-0.08	-0.46	
NC48	NT16	6.61	DN100	-8.07707	-0.07	-0.97		NC88	NC89	22.60	DN100	3.01637	0.04	0.36	
NC49	NC50	50.40	DN100	1.00306	0.01	0.12	Vel.< 0.3 m/s	NC89	NC90	13.93	DN100	2.59637	0.02	0.31	
NC49	NT16	9.65	DN100	-1.82556	-0.01	-0.22	Vel.< 0.3 m/s	NC90	NT30	25.41	DN100	2.17637	0.03	0.26	Vel.< 0.3 m/s
NC50	NC51	17.19	DN100	0.18056	0.00	0.02	Vel.< 0.3 m/s	NC91	NT31	23.26	DN100	-2.22122	-0.02	-0.27	Vel.< 0.3 m/s
NC51	NC52	45.91	DN100	-0.64194	-0.01	-0.08	Vel.< 0.3 m/s	NC91	NT32	107.19	DN100	1.48622	0.06	0.18	Vel.< 0.3 m/s
NC52	NT17	6.56	DN100	-1.46444	-0.00	-0.18	Vel.< 0.3 m/s	NC92	NC93	10.54	DN100	3.04854	0.02	0.37	
NC53	NC54	24.62	DN100	6.38602	0.17	0.77		NC92	NT33	4.91	DN100	-3.06604	-0.01	-0.37	
NC53	NT19	5.16	DN100	-6.96352	-0.04	-0.84		NC93	NC94	14.91	DN100	3.01354	0.03	0.36	
NC54	NC55	3.62	DN100	5.80852	0.02	0.70		NC94	NC95	14.90	DN100	2.97854	0.03	0.36	
NC55	NC56	21.34	DN100	5.23102	0.11	0.63		NC95	NC96	15.09	DN100	2.94354	0.03	0.35	

NC96	NC97	15.08	DN100	2.90854	0.03	0.35	
NC97	NC98	15.10	DN100	2.87354	0.03	0.34	
NC98	NC99	14.99	DN100	2.83854	0.02	0.34	
NC99	NT34	13.03	DN100	2.80354	0.02	0.34	
NC100	NC101	10.07	DN100	2.74130	0.02	0.33	
NC100	NT35	10.45	DN100	-2.75880	-0.02	-0.33	
NC101	NC102	15.08	DN100	2.70630	0.02	0.32	
NC103	NC104	15.24	DN100	2.63630	0.02	0.32	
NC105	NC106	14.82	DN100	0.06629	0.00	0.01	Vel.< 0.3 m/s
NC106	NT36	11.82	DN100	0.03129	0.00	0.00	Vel.< 0.3 m/s
NC107	NC108	15.01	DN100	0.86507	0.00	0.10	Vel.< 0.3 m/s
NC107	NT37	12.94	DN100	-0.90007	-0.00	-0.11	Vel.< 0.3 m/s
NC108	NC109	15.05	DN100	0.83007	0.00	0.10	Vel.< 0.3 m/s
NC109	NC110	15.23	DN100	0.79507	0.00	0.10	Vel.< 0.3 m/s
NC110	NC111	14.90	DN100	0.76007	0.00	0.09	Vel.< 0.3 m/s
NC111	NC112	14.93	DN100	0.72507	0.00	0.09	Vel.< 0.3 m/s
NC112	NC113	14.85	DN100	0.69007	0.00	0.08	Vel.< 0.3 m/s
NC113	NC114	12.54	DN100	0.65507	0.00	0.08	Vel.< 0.3 m/s
NC114	NT38	12.09	DN100	0.63757	0.00	0.08	Vel.< 0.3 m/s
NC115	NC116	15.06	DN100	3.06192	0.03	0.37	
NC117	NC118	15.00	DN100	2.99192	0.03	0.36	
NC119	NC120	15.01	DN100	2.92192	0.03	0.35	
NC121	NC122	14.98	DN100	2.85192	0.02	0.34	
NC123	NC124	10.11	DN100	1.26259	0.00	0.15	Vel.< 0.3 m/s
NC123	NT41	10.42	DN100	-1.28009	-0.00	-0.15	Vel.< 0.3 m/s
NC124	NC125	15.08	DN100	1.22759	0.01	0.15	Vel.< 0.3 m/s
NC126	NC127	14.82	DN100	1.15759	0.01	0.14	Vel.< 0.3 m/s
NC128	NC129	14.91	DN100	1.08759	0.00	0.13	Vel.< 0.3 m/s
NC129	NT42	11.79	DN100	1.05259	0.00	0.13	Vel.< 0.3 m/s
NC130	NC131	15.12	DN100	0.25650	0.00	0.03	Vel.< 0.3 m/s
NC130	NT43	13.07	DN100	-0.29150	-0.00	-0.03	Vel.< 0.3 m/s
NC132	NC133	14.98	DN100	0.18650	0.00	0.02	Vel.< 0.3 m/s
NC134	NC135	15.00	DN100	0.11650	0.00	0.01	Vel.< 0.3 m/s
NC136	NC137	13.25	DN100	0.04650	0.00	0.01	Vel.< 0.3 m/s
NC137	NT44	10.07	DN100	0.02900	0.00	0.00	Vel.< 0.3 m/s
NC138	NC139	14.93	DN100	-3.40454	-0.03	-0.41	
NC138	NT45	8.36	DN100	3.36954	0.02	0.40	
NC139	NC140	15.08	DN100	-3.43954	-0.04	-0.41	
NC140	NC141	15.08	DN100	-3.47454	-0.04	-0.42	
NC141	NC142	14.90	DN100	-3.50954	-0.04	-0.42	
NC142	NC143	14.89	DN100	-3.54454	-0.04	-0.43	
NC143	NC144	15.11	DN100	-3.57954	-0.04	-0.43	
NC144	NC145	15.10	DN100	-3.61454	-0.04	-0.43	
NC145	NC146	15.15	DN100	-3.64954	-0.04	-0.44	
NC146	NT46	13.00	DN100	-3.68454	-0.03	-0.44	
NC147	NC148	11.73	DN100	-1.03625	-0.00	-0.12	Vel.< 0.3 m/s

NC147	NT47	8.80	DN100	1.01875	0.00	0.12	Vel.< 0.3 m/s
NC148	NC149	15.01	DN100	-1.07125	-0.00	-0.13	Vel.< 0.3 m/s
NC149	NC150	14.96	DN100	-1.10625	-0.00	-0.13	Vel.< 0.3 m/s
NC150	NC151	15.08	DN100	-1.14125	-0.00	-0.14	Vel.< 0.3 m/s
NC151	NC152	15.11	DN100	-1.17624	-0.01	-0.14	Vel.< 0.3 m/s
NC152	NC153	14.82	DN100	-1.21124	-0.01	-0.15	Vel.< 0.3 m/s
NC153	NT48	11.83	DN100	-1.24624	-0.00	-0.15	Vel.< 0.3 m/s
NC154	NC155	12.73	DN100	0.14488	0.00	0.02	Vel.< 0.3 m/s
NC154	NT49	7.71	DN100	-0.16238	-0.00	-0.02	Vel.< 0.3 m/s
NC155	NC156	14.81	DN100	0.10988	0.00	0.01	Vel.< 0.3 m/s
NC156	NC157	15.12	DN100	0.07488	0.00	0.01	Vel.< 0.3 m/s
NC157	NC158	14.98	DN100	0.03988	0.00	0.00	Vel.< 0.3 m/s
NC158	NC159	14.92	DN100	0.00000	0.00	0.00	Vel.< 0.3 m/s
NC159	NC160	15.11	DN100	-0.03012	-0.00	-0.00	Vel.< 0.3 m/s
NC160	NC161	14.99	DN100	-0.06512	-0.00	-0.01	Vel.< 0.3 m/s
NC161	NT50	15.50	DN100	-0.10012	-0.00	-0.01	Vel.< 0.3 m/s
NC162	NC163	13.11	DN100	-2.98471	-0.02	-0.36	
NC162	NT51	13.79	DN100	2.96721	0.02	0.36	
NC164	NC165	15.15	DN100	-3.05471	-0.03	-0.37	
NC166	NC167	14.86	DN100	-3.12471	-0.03	-0.38	
NC168	NC169	15.00	DN100	-3.19471	-0.03	-0.38	
NC170	NC171	14.72	DN100	-3.26471	-0.03	-0.39	
NC172	NT52	11.43	DN100	6.98425	0.10	0.84	
NC172	NT60	66.00	DN100	-7.49425	-0.62	-0.90	
NC173	NC174	10.89	DN100	0.36543	0.00	0.04	Vel.< 0.3 m/s
NC173	NT53	9.66	DN100	-0.38293	-0.00	-0.05	Vel.< 0.3 m/s
NC174	NC175	15.17	DN100	0.33043	0.00	0.04	Vel.< 0.3 m/s
NC176	NC177	15.06	DN100	0.26043	0.00	0.03	Vel.< 0.3 m/s
NC178	NC179	14.94	DN100	0.19043	0.00	0.02	Vel.< 0.3 m/s
NC179	NT54	11.53	DN100	0.15542	0.00	0.02	Vel.< 0.3 m/s
NC180	NT54	10.13	DN100	7.45237	0.09	0.89	
NC180	NT64	67.07	DN100	-7.76437	-0.68	-0.93	
NC182	NC183	11.28	DN100	0.08202	0.00	0.01	Vel.< 0.3 m/s
NC182	NT55	9.25	DN100	-0.09952	-0.00	-0.01	Vel.< 0.3 m/s
NC184	NC185	14.99	DN100	0.00000	0.00	0.00	Vel.< 0.3 m/s
NC186	NC187	14.86	DN100	-0.05798	-0.00	-0.01	Vel.< 0.3 m/s
NC188	NC189	14.99	DN100	-0.12798	-0.00	-0.02	Vel.< 0.3 m/s
NC189	NT56	10.84	DN100	-0.16298	-0.00	-0.02	Vel.< 0.3 m/s
NC190	NC191	29.77	DN100	-3.75258	-0.08	-0.45	
NC191	NT60	27.49	DN100	-3.78758	-0.08	-0.45	
NC192	NT61	12.22	DN100	-8.63005	-0.15	-1.04	
NC194	NC195	22.66	DN100	-6.72567	-0.18	-0.81	
NC194	NT59	34.25	DN100	6.69066	0.26	0.80	
NC195	NC196	15.01	DN100	-6.76067	-0.12	-0.81	
NC196	NC197	14.88	DN100	-6.79567	-0.12	-0.82	
NC197	NC198	15.08	DN100	-6.83067	-0.12	-0.82	

NC199	NC262	16.69	DN100	-9.64958	-0.25	-1.16
NC199	NT60	29.17	DN100	9.61458	0.44	1.15
NC200	NT61	12.58	DN100	8.40395	0.15	1.01
NC201	NC202	14.89	DN100	-8.47395	-0.18	-1.02
NC203	NT70	0.87	DN100	-7.14213	-0.01	-0.86
NC204	NC205	17.32	DN100	-3.23245	-0.04	-0.39
NC204	NT62	24.58	DN100	3.19745	0.05	0.38
NC205	NC206	17.34	DN100	-3.26745	-0.04	-0.39
NC206	NC207	17.29	DN100	-3.30245	-0.04	-0.40
NC207	NT71	13.38	DN100	-3.33745	-0.03	-0.40
NC208	NC209	14.91	DN100	-2.92205	-0.03	-0.35
NC208	NT63	12.76	DN100	2.88705	0.02	0.35
NC210	NC211	15.32	DN100	-2.99205	-0.03	-0.36
NC212	NC213	12.05	DN100	-3.06205	-0.02	-0.37
NC213	NT72	8.79	DN100	-3.07955	-0.02	-0.37
NC214	NC215	16.79	DN100	-3.77332	-0.05	-0.45
NC214	NT64	22.86	DN100	3.73832	0.06	0.45
NC215	NC216	17.28	DN100	-3.80832	-0.05	-0.46
NC216	NC217	16.70	DN100	-3.84332	-0.05	-0.46
NC217	NC218	16.85	DN100	-3.87832	-0.05	-0.47
NC218	NC219	16.58	DN100	-3.91332	-0.05	-0.47
NC219	NT73	8.66	DN100	-3.93083	-0.03	-0.47
NC220	NT65	12.78	DN100	3.71997	0.03	0.45
NC221	NC222	14.79	DN100	-3.78997	-0.04	-0.45
NC223	NC224	15.10	DN100	-3.85997	-0.04	-0.46
NC225	NC226	14.93	DN100	-3.92997	-0.04	-0.47
NC227	NT74	7.89	DN100	-3.99997	-0.02	-0.48
NC228	NC229	16.18	DN100	-4.45162	-0.06	-0.53
NC228	NT66	13.53	DN100	4.43412	0.05	0.53
NC231	NC232	16.69	DN100	-4.55662	-0.06	-0.55
NC233	NC234	16.63	DN100	-4.62662	-0.07	-0.56
NC235	NC236	16.64	DN100	-4.69662	-0.07	-0.56
NC237	NC238	14.96	DN100	-4.44260	-0.05	-0.53
NC237	NT67	12.82	DN100	4.40760	0.05	0.53
NC238	NC239	14.97	DN100	-4.47760	-0.06	-0.54
NC239	NC240	15.07	DN100	-4.51260	-0.06	-0.54
NC240	NC241	14.91	DN100	-4.54760	-0.06	-0.55
NC241	NC242	14.82	DN100	-4.58260	-0.06	-0.55
NC242	NC243	15.02	DN100	-4.61760	-0.06	-0.55
NC243	NC244	14.96	DN100	-4.65260	-0.06	-0.56
NC244	NC245	14.96	DN100	-4.68760	-0.06	-0.56
NC245	NC246	14.93	DN100	-4.72260	-0.06	-0.57
NC246	NC247	15.15	DN100	-4.75760	-0.06	-0.57
NC247	NC248	14.68	DN100	-4.79260	-0.06	-0.58
NC248	NT76	6.24	DN100	-4.82760	-0.03	-0.58
NC249	NT68	21.13	DN100	3.79962	0.06	0.46

NC253	NC254	16.59	DN100	-3.97462	-0.05	-0.48	
NC255	NC256	16.31	DN100	-4.04462	-0.05	-0.49	
NC257	NC258	16.39	DN100	-4.11462	-0.05	-0.49	
NC259	NC260	16.33	DN100	-4.18462	-0.05	-0.50	
NC261	NT79	7.52	DN100	-4.25462	-0.03	-0.51	
NC262	NT69	2.12	DN100	-9.68459	-0.03	-1.16	
NC263	NT58	3.32	DN100	-1.66827	-0.00	-0.20	Vel.< 0.3 m/s
NT1	NT2	41.50	DN150	17.98469	0.28	0.97	
NT3	NT4	27.71	DN100	6.05442	0.18	0.73	
NT5	NT6	15.71	DN100	-5.10952	-0.07	-0.61	
NT8	SG1	137.03	DN200	-73.98908	-3.15	-2.27	
NT9	NT10	25.53	DN150	14.01229	0.11	0.76	
NT9	NT18	38.82	DN250	13.99217	0.01	0.28	Vel.< 0.3 m/s
NT11	NT12	8.69	DN100	8.40960	0.10	1.01	
NT12	NT13	25.40	DN100	4.86256	0.11	0.58	
NT14	NT23	37.00	DN100	-6.28308	-0.25	-0.75	
NT15	NT16	15.70	DN100	2.39274	0.02	0.29	Vel.< 0.3 m/s
NT15	NT24	40.35	DN100	-7.32318	-0.37	-0.88	
NT16	NT25	40.35	DN100	-7.50989	-0.38	-0.90	
NT17	NT26	38.84	DN100	-8.36689	-0.45	-1.00	
NT22	NT23	11.33	DN100	9.79383	0.17	1.18	
NT24	NT25	15.70	DN100	0.63739	0.00	0.08	Vel.< 0.3 m/s
NT26	NT32	22.79	DN100	-9.83504	-0.35	-1.18	
NT27	NT33	15.31	DN100	-1.33207	-0.01	-0.16	Vel.< 0.3 m/s
NT27	NT97	25.95	DN150	-5.70441	-0.02	-0.31	
NT28	NT29	25.40	DN100	4.97852	0.11	0.60	
NT28	NT34	14.40	DN100	-6.84238	-0.12	-0.82	
NT29	NT35	14.40	DN100	-3.69307	-0.04	-0.44	
NT30	NT31	14.40	DN100	2.45299	0.02	0.29	Vel.< 0.3 m/s
NT30	NT36	14.40	DN100	-7.24644	-0.13	-0.87	
NT31	NT37	14.40	DN100	-6.64259	-0.11	-0.80	
NT32	NT38	14.69	DN100	-8.34882	-0.17	-1.00	
NT34	NT40	49.00	DN100	-4.03884	-0.15	-0.48	
NT35	NT41	49.00	DN100	-6.45186	-0.35	-0.77	
NT36	NT42	49.00	DN100	-7.21514	-0.43	-0.87	
NT40	NT41	25.40	DN100	-1.22192	-0.01	-0.15	Vel.< 0.3 m/s
NT41	NT47	11.40	DN100	-8.95387	-0.15	-1.07	
NT42	NT43	14.40	DN80	0.19900	0.00	0.04	Vel.< 0.3 m/s
NT42	NT48	11.40	DN80	-6.36155	-0.22	-1.16	
NT43	NT49	11.40	DN100	-7.63516	-0.11	-0.92	
NT44	NT50	11.42	DN100	-7.68225	-0.11	-0.92	
NT46	NT52	49.00	DN100	-3.68454	-0.13	-0.44	
NT48	NT54	49.00	DN100	-7.60779	-0.48	-0.91	
NT57	NT58	25.07	DN150	-8.75748	-0.05	-0.47	
NT57	NT82	92.44	DN250	-34.10307	-0.17	-0.67	
NT58	NT59	34.49	DN100	-10.42574	-0.60	-1.25	

NT60	NT61	25.91	DN100	-1.66725	-0.02	-0.20	Vel.< 0.3 m/s
NT62	NT63	9.49	DN100	1.30409	0.00	0.16	Vel.< 0.3 m/s
NT64	NT65	14.53	DN80	0.16509	0.00	0.03	Vel.< 0.3 m/s
NT65	NT66	49.45	DN100	-4.35400	-0.18	-0.52	Vel.< 0.3 m/s
NT66	NT67	9.42	DN100	0.08013	0.00	0.01	
NT67	NT68	53.79	DN100	4.48773	0.20	0.54	
NT69	NT81	11.78	DN100	-16.55025	-0.48	-1.99	
NT70	NT81	13.62	DN100	-15.65106	-0.50	-1.88	
NT71	NT72	9.20	DN100	3.76968	0.03	0.45	
NT75	NT80	5.95	DN100	-11.97229	-0.13	-1.44	
NT76	NT80	5.95	DN100	-9.08222	-0.08	-1.09	
NT78	NT79	16.02	DN100	4.25462	0.05	0.51	
NT80	SG2	30.07	DN150	-21.05451	-0.27	-1.14	
NT81	SG3	38.53	DN150	-32.20130	-0.76	-1.74	
NT82	NT83	29.12	DN250	-34.10308	-0.05	-0.67	
NT83	NT84	34.65	DN250	-34.10308	-0.06	-0.67	
NT84	NT85	26.41	DN250	-34.10308	-0.05	-0.67	
NT85	NT86	185.68	DN250	-34.10306	-0.35	-0.67	
NT86	NT87	82.40	DN250	-34.10307	-0.15	-0.67	
NT87	NT89	23.72	DN250	-34.10309	-0.04	-0.67	
NT89	NT90	59.94	DN250	-34.10307	-0.11	-0.67	
NT90	NT91	88.50	DN250	-34.10307	-0.17	-0.67	
NT91	NT92	102.27	DN250	-34.10307	-0.19	-0.67	
NT92	NT93	39.08	DN250	-34.10308	-0.07	-0.67	
NT93	NT94	27.64	DN250	-34.10308	-0.05	-0.67	
NT94	SG4	16.46	DN250	-34.10309	-0.03	-0.67	

Combinaciones: H1+H4

Inicio	Final	Longitud m	Diámetros mm	Caudal l/s	Périd. m.c.a.	Velocidad m/s	Coment.
BR39	NC39	25.31	DN100	-1.04963	-0.01	-0.13	Vel.< 0.3 m/s
BR39	NC40	20.66	DN100	1.04963	0.01	0.13	Vel.< 0.3 m/s
BR48	NT21	7.01	DN100	-3.89180	-0.02	-0.47	Vel.< 0.3 m/s
BR48	NT22	18.49	DN100	3.89180	0.05	0.47	
BR52	NC59	11.31	DN100	-0.74851	-0.00	-0.09	
BR52	NC60	9.90	DN100	0.74851	0.00	0.09	
BR64	NC104	12.64	DN100	-1.53801	-0.01	-0.18	
BR64	NC105	2.50	DN100	-0.96199	-0.00	-0.12	
BR65	NC102	12.59	DN100	-1.60801	-0.01	-0.19	
BR65	NC103	2.17	DN100	1.60801	0.00	0.19	
BR88	NC127	11.50	DN100	0.39329	0.00	0.05	
BR88	NC128	3.49	DN100	-0.39329	-0.00	-0.05	
BR89	NC125	11.53	DN100	0.32329	0.00	0.04	
BR89	NC126	3.70	DN100	-0.32329	-0.00	-0.04	
BR92	NC120	7.89	DN100	-1.67072	-0.01	-0.20	

BR92	NC121	7.07	DN100	1.67072	0.00	0.20	Vel.< 0.3 m/s
BR93	NC118	8.00	DN100	-1.74072	-0.01	-0.21	Vel.< 0.3 m/s
BR93	NC119	7.14	DN100	1.74072	0.00	0.21	Vel.< 0.3 m/s
BR99	H9	21.39	DN100	-0.45744	-0.00	-0.05	Vel.< 0.3 m/s
BR99	NT51	6.66	DN100	0.45744	0.00	0.05	Vel.< 0.3 m/s
BR107	NC181	4.70	DN100	-7.34750	-0.04	-0.88	Vel.< 0.3 m/s
BR107	NT55	6.01	DN100	7.34750	0.05	0.88	
BR115	NC169	2.77	DN100	3.41872	0.01	0.41	
BR115	NC170	12.41	DN100	-3.41872	-0.03	-0.41	
H1	NC1	9.98	DN100	0.19872	0.00	0.02	
H1	NT2	10.61	DN100	-16.79873	-0.44	-2.02	
H2	NC8	18.03	DN100	0.05205	0.00	0.01	
H2	NT5	5.47	DN100	-0.05205	-0.00	-0.01	
H3	NC13	5.44	DN100	-0.99014	-0.00	-0.12	
H3	NT7	3.12	DN100	0.99014	0.00	0.12	
H4	NC62	31.11	DN250	1.01141	0.00	0.02	
H4	NT18	7.10	DN250	-17.61145	-0.00	-0.35	
H5	N11	28.66	DN100	-1.90974	-0.02	-0.23	
H5	N12	2.54	DN100	1.90974	0.00	0.23	
H6	NC77	7.27	DN100	3.71740	0.02	0.45	
H6	NC78	15.27	DN100	-3.71740	-0.04	-0.45	
H7	N10	13.86	DN100	5.22953	0.07	0.63	Vel.< 0.3 m/s
H7	NT31	15.24	DN100	-5.22953	-0.08	-0.63	
H8	N23	27.84	DN100	6.49198	0.20	0.78	
H8	N24	2.91	DN100	-6.49198	-0.02	-0.78	
H9	N71	8.63	DN100	-0.45744	-0.00	-0.05	
H10	N82	6.56	DN100	7.79699	0.07	0.94	
H10	NC192	15.26	DN100	-7.79699	-0.16	-0.94	
H11	N38	25.00	DN100	7.68950	0.25	0.92	
H11	N39	5.06	DN100	-7.68950	-0.05	-0.92	
H12	NC198	7.06	DN100	6.95577	0.06	0.83	
H12	NT69	34.08	DN100	-6.95577	-0.28	-0.83	
H13	NC250	6.92	DN100	3.66352	0.02	0.44	
H13	NC251	9.77	DN100	-3.66352	-0.03	-0.44	
H14	N53	22.21	DN100	-6.94758	-0.18	-0.83	
H14	N58	8.16	DN100	6.94758	0.07	0.83	
N1	NC23	28.40	DN100	3.51070	0.07	0.42	Vel.< 0.3 m/s
N1	NC24	15.62	DN100	-3.51070	-0.04	-0.42	
N2	NC21	11.08	DN100	2.95070	0.02	0.35	
N2	NC22	24.47	DN100	-2.95070	-0.04	-0.35	
N3	NC33	21.20	DN100	2.07117	0.02	0.25	
N3	NC34	12.38	DN100	-2.07117	-0.01	-0.25	
N4	NC35	8.76	DN100	3.40117	0.02	0.41	
N4	NC36	18.71	DN100	-3.40117	-0.04	-0.41	
N5	NC37	25.14	DN100	-1.71606	-0.02	-0.21	
N5	NT13	6.22	DN100	1.71606	0.00	0.21	

N6	NC9	49.73	DN100	-1.47736	-0.03	-0.18	Vel.< 0.3 m/s
N6	NC10	4.11	DN100	1.47736	0.00	0.18	Vel.< 0.3 m/s
N7	N8	30.01	DN100	-1.81264	-0.02	-0.22	Vel.< 0.3 m/s
N7	NC13	4.29	DN100	1.81264	0.00	0.22	Vel.< 0.3 m/s
N8	NC14	3.43	DN100	-1.81264	-0.00	-0.22	Vel.< 0.3 m/s
N9	NC16	9.67	DN100	4.28014	0.03	0.51	
N9	NT17	9.23	DN100	-4.28014	-0.03	-0.51	
N10	NC82	3.91	DN100	5.22954	0.02	0.63	
N11	NC71	1.66	DN100	-1.90974	-0.00	-0.23	Vel.< 0.3 m/s
N12	NC70	28.65	DN100	1.90974	0.02	0.23	Vel.< 0.3 m/s
N13	NC69	9.68	DN100	1.33224	0.00	0.16	Vel.< 0.3 m/s
N13	NC70	1.36	DN100	-1.33224	-0.00	-0.16	Vel.< 0.3 m/s
N14	N15	30.01	DN100	0.75474	0.00	0.09	Vel.< 0.3 m/s
N14	NC69	20.34	DN100	-0.75474	-0.00	-0.09	Vel.< 0.3 m/s
N15	NC68	19.49	DN100	0.75474	0.00	0.09	Vel.< 0.3 m/s
N16	NT20	13.46	DN100	-2.37787	-0.02	-0.29	Vel.< 0.3 m/s
N16	NT21	26.25	DN100	2.37787	0.03	0.29	Vel.< 0.3 m/s
N17	NT18	4.50	DN100	-4.51063	-0.02	-0.54	
N17	NT19	20.61	DN150	4.51063	0.01	0.24	Vel.< 0.3 m/s
N18	N19	30.00	DN100	-5.10525	-0.14	-0.61	
N18	NT33	1.22	DN100	5.10526	0.01	0.61	
N19	NT39	21.29	DN100	-5.10525	-0.10	-0.61	
N20	NC115	7.00	DN100	1.88072	0.01	0.23	Vel.< 0.3 m/s
N20	NT39	12.08	DN100	-1.88072	-0.01	-0.23	Vel.< 0.3 m/s
N21	NC116	7.97	DN100	-1.81072	-0.01	-0.22	Vel.< 0.3 m/s
N21	NC117	7.11	DN100	1.81072	0.01	0.22	Vel.< 0.3 m/s
N22	NC122	7.96	DN100	-1.60072	-0.00	-0.19	Vel.< 0.3 m/s
N22	NT40	5.05	DN100	1.60072	0.00	0.19	Vel.< 0.3 m/s
N23	NT38	4.65	DN100	6.49198	0.03	0.78	
N24	NT44	13.63	DN100	-6.49198	-0.10	-0.78	
N25	NC135	8.58	DN100	0.47421	0.00	0.06	Vel.< 0.3 m/s
N25	NC136	6.36	DN100	-0.47421	-0.00	-0.06	Vel.< 0.3 m/s
N26	NC133	8.63	DN100	0.40421	0.00	0.05	Vel.< 0.3 m/s
N26	NC134	6.43	DN100	-0.40421	-0.00	-0.05	Vel.< 0.3 m/s
N27	NC131	8.59	DN100	0.33421	0.00	0.04	Vel.< 0.3 m/s
N27	NC132	6.40	DN100	-0.33421	-0.00	-0.04	Vel.< 0.3 m/s
N28	NT37	22.80	DN100	6.38240	0.16	0.77	
N28	NT43	26.20	DN100	-6.38240	-0.19	-0.77	
N29	N30	26.90	DN100	-7.25860	-0.24	-0.87	
N29	NT50	4.00	DN100	7.25860	0.04	0.87	
N30	NT56	18.31	DN100	-7.25860	-0.16	-0.87	
N31	NT49	24.01	DN100	7.28109	0.22	0.87	
N31	NT55	25.00	DN100	-7.28109	-0.22	-0.87	
N32	NC183	11.20	DN100	0.00000	-0.00	0.00	Vel.< 0.3 m/s
N32	NC184	3.84	DN100	0.00000	0.00	0.00	Vel.< 0.3 m/s
N33	NC185	11.17	DN100	0.05610	0.00	0.01	Vel.< 0.3 m/s

N33	NC186	3.89	DN100	-0.05610	-0.00	-0.01	Vel.< 0.3 m/s
N34	NC187	11.27	DN100	0.12610	0.00	0.02	Vel.< 0.3 m/s
N34	NC188	3.84	DN100	-0.12610	-0.00	-0.02	Vel.< 0.3 m/s
N35	N36	29.97	DN100	-7.45469	-0.28	-0.89	
N35	NT56	11.57	DN100	7.45470	0.11	0.89	
N36	NC193	24.37	DN100	-7.45469	-0.23	-0.89	
N37	NC193	5.64	DN100	7.79670	0.06	0.94	
N37	NT68	6.64	DN100	-7.79670	-0.07	-0.94	
N38	NC181	25.31	DN100	7.68950	0.25	0.92	
N39	NT65	11.16	DN100	-7.68950	-0.11	-0.92	
N40	NC249	4.28	DN100	3.62852	0.01	0.44	
N40	NC250	12.31	DN100	-3.62852	-0.03	-0.44	
N41	NC251	1.65	DN100	3.69852	0.00	0.44	
N41	NC252	14.84	DN100	-3.69852	-0.04	-0.44	
N42	NC252	14.62	DN100	3.73352	0.04	0.45	
N42	NC253	1.62	DN100	-3.73352	-0.00	-0.45	
N43	NC254	11.88	DN100	3.80352	0.03	0.46	
N43	NC255	4.37	DN100	-3.80352	-0.01	-0.46	
N44	NC256	9.37	DN100	3.87352	0.03	0.46	
N44	NC257	6.85	DN100	-3.87352	-0.02	-0.46	
N45	NC258	6.77	DN100	3.94352	0.02	0.47	
N45	NC259	9.53	DN100	-3.94352	-0.03	-0.47	
N46	NC260	4.16	DN100	4.01352	0.01	0.48	
N46	NC261	20.56	DN100	-4.01352	-0.06	-0.48	
N47	NT76	9.30	DN100	-4.04852	-0.03	-0.49	
N47	NT78	34.62	DN100	4.04852	0.11	0.49	
N48	NC229	1.91	DN100	4.26844	0.01	0.51	
N48	NC230	14.38	DN100	-4.26844	-0.05	-0.51	
N49	NC230	14.58	DN100	4.30344	0.05	0.52	
N49	NC231	2.43	DN100	-4.30344	-0.01	-0.52	
N50	NC232	11.20	DN100	4.37344	0.04	0.52	
N50	NC233	5.43	DN100	-4.37344	-0.02	-0.52	
N51	NC234	7.91	DN100	4.44344	0.03	0.53	
N51	NC235	8.78	DN100	-4.44344	-0.03	-0.53	
N52	NC236	4.59	DN100	4.51344	0.02	0.54	
N52	NT75	20.73	DN100	-4.51344	-0.08	-0.54	
N53	NT75	9.20	DN100	-6.94758	-0.08	-0.83	
N54	NC220	6.39	DN100	3.56084	0.02	0.43	
N54	NC221	8.67	DN100	-3.56084	-0.02	-0.43	
N55	NC222	6.58	DN100	3.63084	0.02	0.44	
N55	NC223	8.41	DN100	-3.63084	-0.02	-0.44	
N56	NC224	6.55	DN100	3.70084	0.02	0.44	
N56	NC225	8.35	DN100	-3.70084	-0.02	-0.44	
N57	NC226	6.86	DN100	3.77084	0.02	0.45	
N57	NC227	8.07	DN100	-3.77084	-0.02	-0.45	
N58	NT74	15.12	DN100	6.94758	0.12	0.83	

N59	NT73	1.43	DN100	3.14174	0.00	0.38		N85	NT1	6.90	DN250	14.12805	0.00	0.28	Vel.< 0.3 m/s
N59	NT74	13.44	DN100	-3.14174	-0.03	-0.38		N86	NC11	16.46	DN100	0.16764	0.00	0.02	Vel.< 0.3 m/s
N60	NC211	5.54	DN100	2.96843	0.01	0.36		N86	NC12	43.73	DN100	-0.16764	-0.00	-0.02	Vel.< 0.3 m/s
N60	NC212	9.39	DN100	-2.96843	-0.02	-0.36		NC1	NC2	6.20	DN100	-0.08128	-0.00	-0.01	Vel.< 0.3 m/s
N61	NT72	20.58	DN100	-0.59227	-0.00	-0.07	Vel.< 0.3 m/s	NC2	NC3	20.17	DN100	-0.36128	-0.00	-0.04	Vel.< 0.3 m/s
N61	NT73	28.62	DN100	0.59227	0.00	0.07	Vel.< 0.3 m/s	NC3	NC4	10.34	DN100	-0.64128	-0.00	-0.08	Vel.< 0.3 m/s
N62	NC209	5.13	DN100	2.89843	0.01	0.35		NC4	NT3	8.89	DN100	-0.92128	-0.00	-0.11	Vel.< 0.3 m/s
N62	NC210	9.54	DN100	-2.89843	-0.02	-0.35		NC5	NC6	19.26	DN100	1.94296	0.02	0.23	Vel.< 0.3 m/s
N63	N64	30.01	DN100	3.82084	0.08	0.46		NC5	NT4	15.87	DN100	-2.60796	-0.02	-0.31	
N63	NT63	14.40	DN100	-3.82084	-0.04	-0.46		NC6	NC7	32.83	DN100	1.27796	0.01	0.15	Vel.< 0.3 m/s
N64	NT64	5.16	DN100	3.82084	0.01	0.46		NC7	NC8	25.40	DN100	0.61296	0.00	0.07	Vel.< 0.3 m/s
N65	NC203	26.65	DN100	-6.89064	-0.22	-0.83		NC9	NT6	10.76	DN100	-2.29987	-0.01	-0.28	Vel.< 0.3 m/s
N65	NT71	24.96	DN100	6.89064	0.20	0.83		NC10	NC11	9.44	DN100	0.65486	0.00	0.08	Vel.< 0.3 m/s
N66	NT61	31.89	DN100	2.14503	0.03	0.26	Vel.< 0.3 m/s	NC12	NT7	6.17	DN100	-0.99014	-0.00	-0.12	Vel.< 0.3 m/s
N66	NT62	18.12	DN100	-2.14503	-0.02	-0.26	Vel.< 0.3 m/s	NC14	NC15	8.39	DN100	-2.63514	-0.01	-0.32	
N67	NC200	13.49	DN100	8.29551	0.15	1.00		NC15	NC16	38.52	DN100	-3.45764	-0.09	-0.41	
N67	NC201	1.64	DN100	-8.29551	-0.02	-1.00		NC17	NC18	37.56	DN200	67.75395	0.73	2.08	
N68	NC202	13.51	DN100	8.36551	0.16	1.00		NC17	NT8	24.61	DN200	-74.75397	-0.58	-2.30	Vel.máx.
N68	NT70	1.58	DN100	-8.36551	-0.02	-1.00		NC18	NT9	33.27	DN200	60.75396	0.53	1.87	
N69	N70	28.09	DN100	3.99193	0.09	0.48		NC19	NC20	63.32	DN250	-21.12804	-0.05	-0.42	
N69	NC190	58.73	DN100	-3.99193	-0.18	-0.48		NC20	NT9	27.10	DN250	-28.12805	-0.04	-0.56	
N70	NT59	7.59	DN100	3.99193	0.02	0.48		NC21	NT2	13.61	DN100	2.67070	0.02	0.32	
N71	N72	30.00	DN100	-0.45744	-0.00	-0.05	Vel.< 0.3 m/s	NC22	NC23	5.80	DN100	-3.23070	-0.01	-0.39	
N72	NC263	2.39	DN100	-0.45744	-0.00	-0.05	Vel.< 0.3 m/s	NC24	NT10	3.68	DN100	-3.79070	-0.01	-0.45	
N73	NT45	26.53	DN100	3.61366	0.07	0.43		NC25	NC26	32.29	DN100	6.43317	0.23	0.77	
N73	NT51	23.37	DN100	-3.61366	-0.06	-0.43		NC25	NT10	3.97	DN100	-6.71318	-0.03	-0.81	
N74	NT39	8.73	DN100	6.98598	0.07	0.84		NC26	NC27	5.43	DN100	6.15318	0.04	0.74	
N74	NT45	3.49	DN100	-6.98598	-0.03	-0.84		NC27	NC28	19.92	DN100	5.87317	0.12	0.70	
N75	NC163	2.74	DN100	3.20872	0.01	0.39		NC28	NT11	5.69	DN100	5.59318	0.03	0.67	
N75	NC164	12.08	DN100	-3.20872	-0.02	-0.39		NC29	NC30	39.03	DN100	-2.40307	-0.05	-0.29	Vel.< 0.3 m/s
N76	NC165	2.78	DN100	3.27872	0.01	0.39		NC29	NT3	8.30	DN100	2.12307	0.01	0.25	Vel.< 0.3 m/s
N76	NC166	12.20	DN100	-3.27872	-0.03	-0.39		NC30	NC31	9.30	DN100	-2.68307	-0.01	-0.32	
N77	NC167	2.95	DN100	3.34872	0.01	0.40		NC31	NC32	34.11	DN100	-2.96307	-0.06	-0.36	
N77	NC168	12.23	DN100	-3.34872	-0.03	-0.40		NC32	NT12	9.59	DN100	-3.24307	-0.02	-0.39	
N78	NC171	2.95	DN100	3.48872	0.01	0.42		NC33	NT4	14.20	DN100	1.40617	0.01	0.17	Vel.< 0.3 m/s
N78	NT52	10.07	DN100	-3.48872	-0.02	-0.42		NC34	NC35	8.91	DN100	-2.73617	-0.01	-0.33	
N79	N80	26.94	DN100	-7.53591	-0.26	-0.90		NC36	NT13	5.11	DN100	-4.06617	-0.02	-0.49	
N79	NT47	5.52	DN100	7.53591	0.05	0.90		NC37	NT14	7.31	DN100	-2.38106	-0.01	-0.29	Vel.< 0.3 m/s
N80	NT53	16.54	DN100	-7.53591	-0.16	-0.90		NC38	NC39	6.39	DN100	1.71463	0.00	0.21	Vel.< 0.3 m/s
N81	N82	30.00	DN100	-7.79698	-0.31	-0.94		NC38	NT14	28.10	DN100	-2.37963	-0.03	-0.29	Vel.< 0.3 m/s
N81	NT53	13.46	DN100	7.79699	0.14	0.94		NC40	NT15	8.98	DN100	0.38463	0.00	0.05	Vel.< 0.3 m/s
N83	NC177	6.22	DN100	-0.10358	-0.00	-0.01	Vel.< 0.3 m/s	NC41	NC42	40.07	DN100	-1.99076	-0.04	-0.24	Vel.< 0.3 m/s
N83	NC178	8.76	DN100	0.10358	0.00	0.01	Vel.< 0.3 m/s	NC41	NT5	8.82	DN100	1.32576	0.00	0.16	Vel.< 0.3 m/s
N84	NC175	6.37	DN100	-0.17358	-0.00	-0.02	Vel.< 0.3 m/s	NC42	NC43	8.40	DN100	-2.65576	-0.01	-0.32	
N84	NC176	8.73	DN100	0.17358	0.00	0.02	Vel.< 0.3 m/s	NC43	NC44	38.81	DN100	-3.32076	-0.08	-0.40	
N85	NC19	21.43	DN250	-14.12804	-0.01	-0.28	Vel.< 0.3 m/s	NC44	NT15	9.18	DN100	-3.98576	-0.03	-0.48	

NC45	NC46	39.50	DN100	-1.84865	-0.03	-0.22	Vel.< 0.3 m/s
NC45	NT6	11.19	DN100	1.02615	0.00	0.12	Vel.< 0.3 m/s
NC46	NC47	7.20	DN100	-2.67115	-0.01	-0.32	
NC47	NC48	40.77	DN100	-3.49365	-0.10	-0.42	
NC48	NT16	6.61	DN100	-4.31615	-0.02	-0.52	
NC49	NC50	50.40	DN100	0.88521	0.01	0.11	Vel.< 0.3 m/s
NC49	NT16	9.65	DN100	-1.70771	-0.01	-0.20	Vel.< 0.3 m/s
NC50	NC51	17.19	DN100	0.06271	0.00	0.01	Vel.< 0.3 m/s
NC51	NC52	45.91	DN100	-0.75979	-0.01	-0.09	Vel.< 0.3 m/s
NC52	NT17	6.56	DN100	-1.58229	-0.00	-0.19	Vel.< 0.3 m/s
NC53	NC54	24.62	DN100	4.11037	0.08	0.49	
NC53	NT19	5.16	DN100	-4.68787	-0.02	-0.56	
NC54	NC55	3.62	DN100	3.53287	0.01	0.42	
NC55	NC56	21.34	DN100	2.95537	0.04	0.35	
NC56	NT20	1.26	DN100	2.37787	0.00	0.29	Vel.< 0.3 m/s
NC57	NC72	31.20	DN100	-2.09143	-0.03	-0.25	Vel.< 0.3 m/s
NC57	NT21	1.09	DN100	1.51393	0.00	0.18	Vel.< 0.3 m/s
NC58	NC59	51.60	DN100	1.16851	0.02	0.14	Vel.< 0.3 m/s
NC58	NT23	27.48	DN100	-1.58851	-0.02	-0.19	Vel.< 0.3 m/s
NC60	NT24	5.22	DN100	0.32851	0.00	0.04	Vel.< 0.3 m/s
NC61	NT25	28.29	DN100	0.74845	0.00	0.09	Vel.< 0.3 m/s
NC61	NT26	97.13	DN100	-1.48345	-0.05	-0.18	Vel.< 0.3 m/s
NC62	NC63	80.65	DN250	-8.98860	-0.01	-0.18	Vel.< 0.3 m/s
NC63	NC64	49.85	DN250	-18.98857	-0.03	-0.37	
NC64	NT97	9.70	DN250	-28.98860	-0.01	-0.57	
NC65	NC66	89.95	DN250	-37.37767	-0.20	-0.74	
NC65	NT97	42.30	DN250	30.37768	0.06	0.60	
NC66	NC67	19.78	DN250	-44.37770	-0.06	-0.88	
NC67	NT57	47.42	DN250	-44.52768	-0.14	-0.88	
NC68	NT19	13.65	DN100	0.17724	0.00	0.02	Vel.< 0.3 m/s
NC71	NT27	11.88	DN100	-2.48724	-0.02	-0.30	Vel.< 0.3 m/s
NC72	NC73	14.24	DN100	-2.66893	-0.02	-0.32	
NC73	NC74	52.76	DN100	-3.24643	-0.11	-0.39	
NC74	NT28	11.65	DN100	-3.82393	-0.03	-0.46	
NC75	NC76	24.83	DN100	-2.87740	-0.04	-0.35	
NC75	NT22	10.93	DN100	2.45740	0.01	0.29	Vel.< 0.3 m/s
NC76	NC77	41.44	DN100	-3.29740	-0.09	-0.40	
NC78	NT29	11.09	DN100	-4.13740	-0.04	-0.50	
NC79	NC80	35.36	DN100	-4.47350	-0.13	-0.54	
NC79	NT24	9.36	DN100	4.05350	0.03	0.49	
NC80	NC81	17.42	DN100	-4.89350	-0.08	-0.59	
NC81	NT30	10.90	DN100	-5.31350	-0.06	-0.64	
NC82	NT25	33.75	DN100	4.49453	0.13	0.54	
NC83	NC84	42.61	DN100	2.10656	0.04	0.25	Vel.< 0.3 m/s
NC83	NT27	17.88	DN100	-2.68406	-0.03	-0.32	
NC84	NC85	10.37	DN100	1.52906	0.01	0.18	Vel.< 0.3 m/s

NC85	NC86	35.23	DN100	0.95156	0.01	0.11	Vel.< 0.3 m/s
NC86	NT28	7.25	DN100	0.37406	0.00	0.04	Vel.< 0.3 m/s
NC87	NC88	18.57	DN100	1.91296	0.02	0.23	Vel.< 0.3 m/s
NC87	NT29	26.86	DN100	-2.33296	-0.03	-0.28	Vel.< 0.3 m/s
NC88	NC89	22.60	DN100	1.49296	0.01	0.18	Vel.< 0.3 m/s
NC89	NC90	13.93	DN100	1.07296	0.00	0.13	Vel.< 0.3 m/s
NC90	NT30	25.41	DN100	0.65296	0.00	0.08	Vel.< 0.3 m/s
NC91	NT31	23.26	DN100	-1.42787	-0.01	-0.17	Vel.< 0.3 m/s
NC91	NT32	107.19	DN100	0.69287	0.01	0.08	Vel.< 0.3 m/s
NC92	NC93	10.54	DN100	1.30553	0.00	0.16	Vel.< 0.3 m/s
NC92	NT33	4.91	DN100	-1.32303	-0.00	-0.16	Vel.< 0.3 m/s
NC93	NC94	14.91	DN100	1.27053	0.01	0.15	Vel.< 0.3 m/s
NC94	NC95	14.90	DN100	1.23553	0.01	0.15	Vel.< 0.3 m/s
NC95	NC96	15.09	DN100	1.20053	0.01	0.14	Vel.< 0.3 m/s
NC96	NC97	15.08	DN100	1.16553	0.01	0.14	Vel.< 0.3 m/s
NC97	NC98	15.10	DN100	1.13053	0.00	0.14	Vel.< 0.3 m/s
NC98	NC99	14.99	DN100	1.09553	0.00	0.13	Vel.< 0.3 m/s
NC99	NT34	13.03	DN100	1.06053	0.00	0.13	Vel.< 0.3 m/s
NC100	NC101	10.07	DN100	1.67801	0.01	0.20	Vel.< 0.3 m/s
NC100	NT35	10.45	DN100	-1.69551	-0.01	-0.20	Vel.< 0.3 m/s
NC101	NC102	15.08	DN100	1.64301	0.01	0.20	Vel.< 0.3 m/s
NC103	NC104	15.24	DN100	1.57301	0.01	0.19	Vel.< 0.3 m/s
NC105	NC106	14.82	DN100	-0.99699	-0.00	-0.12	Vel.< 0.3 m/s
NC106	NT36	11.82	DN100	-1.03199	-0.00	-0.12	Vel.< 0.3 m/s
NC107	NC108	15.01	DN100	0.38854	0.00	0.05	Vel.< 0.3 m/s
NC107	NT37	12.94	DN100	-0.42354	-0.00	-0.05	Vel.< 0.3 m/s
NC108	NC109	15.05	DN100	0.35354	0.00	0.04	Vel.< 0.3 m/s
NC109	NC110	15.23	DN100	0.31854	0.00	0.04	Vel.< 0.3 m/s
NC110	NC111	14.90	DN100	0.28354	0.00	0.03	Vel.< 0.3 m/s
NC111	NC112	14.93	DN100	0.24854	0.00	0.03	Vel.< 0.3 m/s
NC112	NC113	14.85	DN100	0.21354	0.00	0.03	Vel.< 0.3 m/s
NC113	NC114	12.54	DN100	0.17854	0.00	0.02	Vel.< 0.3 m/s
NC114	NT38	12.09	DN100	0.16104	0.00	0.02	Vel.< 0.3 m/s
NC115	NC116	15.06	DN100	1.84572	0.01	0.22	Vel.< 0.3 m/s
NC117	NC118	15.00	DN100	1.77572	0.01	0.21	Vel.< 0.3 m/s
NC119	NC120	15.01	DN100	1.70572	0.01	0.20	Vel.< 0.3 m/s
NC121	NC122	14.98	DN100	1.63572	0.01	0.20	Vel.< 0.3 m/s
NC123	NC124	10.11	DN100	-0.25329	-0.00	-0.03	Vel.< 0.3 m/s
NC123	NT41	10.42	DN100	0.23579	0.00	0.03	Vel.< 0.3 m/s
NC124	NC125	15.08	DN100	-0.28829	-0.00	-0.03	Vel.< 0.3 m/s
NC126	NC127	14.82	DN100	-0.35829	-0.00	-0.04	Vel.< 0.3 m/s
NC128	NC129	14.91	DN100	-0.42829	-0.00	-0.05	Vel.< 0.3 m/s
NC129	NT42	11.79	DN100	-0.46329	-0.00	-0.06	Vel.< 0.3 m/s
NC130	NC131	15.12	DN100	-0.29921	-0.00	-0.04	Vel.< 0.3 m/s
NC130	NT43	13.07	DN100	0.26421	0.00	0.03	Vel.< 0.3 m/s
NC132	NC133	14.98	DN100	-0.36921	-0.00	-0.04	Vel.< 0.3 m/s

NC134	NC135	15.00	DN100	-0.43921	-0.00	-0.05	Vel.< 0.3 m/s
NC136	NC137	13.25	DN100	-0.50921	-0.00	-0.06	Vel.< 0.3 m/s
NC137	NT44	10.07	DN100	-0.52671	-0.00	-0.06	Vel.< 0.3 m/s
NC138	NC139	14.93	DN100	-3.40732	-0.03	-0.41	
NC138	NT45	8.36	DN100	3.37232	0.02	0.40	
NC139	NC140	15.08	DN100	-3.44232	-0.04	-0.41	
NC140	NC141	15.08	DN100	-3.47732	-0.04	-0.42	
NC141	NC142	14.90	DN100	-3.51232	-0.04	-0.42	
NC142	NC143	14.89	DN100	-3.54732	-0.04	-0.43	
NC143	NC144	15.11	DN100	-3.58232	-0.04	-0.43	
NC144	NC145	15.10	DN100	-3.61732	-0.04	-0.43	
NC145	NC146	15.15	DN100	-3.65232	-0.04	-0.44	
NC146	NT46	13.00	DN100	-3.68732	-0.03	-0.44	
NC147	NC148	11.73	DN100	-1.20029	-0.00	-0.14	Vel.< 0.3 m/s
NC147	NT47	8.80	DN100	1.18279	0.00	0.14	Vel.< 0.3 m/s
NC148	NC149	15.01	DN100	-1.23529	-0.01	-0.15	Vel.< 0.3 m/s
NC149	NC150	14.96	DN100	-1.27029	-0.01	-0.15	Vel.< 0.3 m/s
NC150	NC151	15.08	DN100	-1.30529	-0.01	-0.16	Vel.< 0.3 m/s
NC151	NC152	15.11	DN100	-1.34029	-0.01	-0.16	Vel.< 0.3 m/s
NC152	NC153	14.82	DN100	-1.37529	-0.01	-0.17	Vel.< 0.3 m/s
NC153	NT48	11.83	DN100	-1.41029	-0.01	-0.17	Vel.< 0.3 m/s
NC154	NC155	12.73	DN100	0.00000	0.00	0.00	Vel.< 0.3 m/s
NC154	NT49	7.71	DN100	0.00000	-0.00	0.00	Vel.< 0.3 m/s
NC155	NC156	14.81	DN100	-0.02991	-0.00	-0.00	Vel.< 0.3 m/s
NC156	NC157	15.12	DN100	-0.06491	-0.00	-0.01	Vel.< 0.3 m/s
NC157	NC158	14.98	DN100	-0.09991	-0.00	-0.01	Vel.< 0.3 m/s
NC158	NC159	14.92	DN100	-0.13491	-0.00	-0.02	Vel.< 0.3 m/s
NC159	NC160	15.11	DN100	-0.16991	-0.00	-0.02	Vel.< 0.3 m/s
NC160	NC161	14.99	DN100	-0.20491	-0.00	-0.02	Vel.< 0.3 m/s
NC161	NT50	15.50	DN100	-0.23991	-0.00	-0.03	Vel.< 0.3 m/s
NC162	NC163	13.11	DN100	-3.17372	-0.03	-0.38	
NC162	NT51	13.79	DN100	3.15622	0.03	0.38	
NC164	NC165	15.15	DN100	-3.24372	-0.03	-0.39	
NC166	NC167	14.86	DN100	-3.31372	-0.03	-0.40	
NC168	NC169	15.00	DN100	-3.38372	-0.03	-0.41	
NC170	NC171	14.72	DN100	-3.45372	-0.03	-0.41	
NC172	NT52	11.43	DN100	7.17603	0.10	0.86	
NC172	NT60	66.00	DN100	-7.68603	-0.65	-0.92	
NC173	NC174	10.89	DN100	0.24358	0.00	0.03	Vel.< 0.3 m/s
NC173	NT53	9.66	DN100	-0.26108	-0.00	-0.03	Vel.< 0.3 m/s
NC174	NC175	15.17	DN100	0.20858	0.00	0.03	Vel.< 0.3 m/s
NC176	NC177	15.06	DN100	0.13858	0.00	0.02	Vel.< 0.3 m/s
NC178	NC179	14.94	DN100	0.06858	0.00	0.01	Vel.< 0.3 m/s
NC179	NT54	11.53	DN100	0.03358	0.00	0.00	Vel.< 0.3 m/s
NC180	NT54	10.13	DN100	7.09075	0.09	0.85	
NC180	NT64	67.07	DN100	-7.40275	-0.62	-0.89	

NC182	NC183	11.28	DN100	0.04890	0.00	0.01	Vel.< 0.3 m/s
NC182	NT55	9.25	DN100	-0.06640	-0.00	-0.01	Vel.< 0.3 m/s
NC184	NC185	14.99	DN100	-0.02110	-0.00	-0.00	Vel.< 0.3 m/s
NC186	NC187	14.86	DN100	-0.09110	-0.00	-0.01	Vel.< 0.3 m/s
NC188	NC189	14.99	DN100	-0.16110	-0.00	-0.02	Vel.< 0.3 m/s
NC189	NT56	10.84	DN100	-0.19610	-0.00	-0.02	Vel.< 0.3 m/s
NC190	NC191	29.77	DN100	-4.00943	-0.09	-0.48	
NC191	NT60	27.49	DN100	-4.04443	-0.09	-0.49	
NC192	NT61	12.22	DN100	-8.10899	-0.13	-0.97	
NC194	NC195	22.66	DN100	-6.81577	-0.18	-0.82	
NC194	NT59	34.25	DN100	6.78077	0.27	0.81	
NC195	NC196	15.01	DN100	-6.85077	-0.12	-0.82	
NC196	NC197	14.88	DN100	-6.88577	-0.12	-0.83	
NC197	NC198	15.08	DN100	-6.92077	-0.12	-0.83	
NC199	NC262	16.69	DN100	-9.46891	-0.24	-1.14	
NC199	NT60	29.17	DN100	9.43391	0.42	1.13	
NC200	NT61	12.58	DN100	8.26051	0.14	0.99	
NC201	NC202	14.89	DN100	-8.33051	-0.17	-1.00	
NC203	NT70	0.87	DN100	-6.92565	-0.01	-0.83	
NC204	NC205	17.32	DN100	-3.17244	-0.03	-0.38	
NC204	NT62	24.58	DN100	3.13744	0.05	0.38	
NC205	NC206	17.34	DN100	-3.20744	-0.04	-0.38	
NC206	NC207	17.29	DN100	-3.24244	-0.04	-0.39	
NC207	NT71	13.38	DN100	-3.27744	-0.03	-0.39	
NC208	NC209	14.91	DN100	-2.86343	-0.02	-0.34	
NC208	NT63	12.76	DN100	2.82843	0.02	0.34	
NC210	NC211	15.32	DN100	-2.93343	-0.03	-0.35	
NC212	NC213	12.05	DN100	-3.00343	-0.02	-0.36	
NC213	NT72	8.79	DN100	-3.02093	-0.02	-0.36	
NC214	NC215	16.79	DN100	-3.57651	-0.04	-0.43	
NC214	NT64	22.86	DN100	3.54151	0.06	0.43	
NC215	NC216	17.28	DN100	-3.61151	-0.04	-0.43	
NC216	NC217	16.70	DN100	-3.64651	-0.04	-0.44	
NC217	NC218	16.85	DN100	-3.68151	-0.04	-0.44	
NC218	NC219	16.58	DN100	-3.71651	-0.04	-0.45	
NC219	NT73	8.66	DN100	-3.73402	-0.02	-0.45	
NC220	NT65	12.78	DN100	3.52584	0.03	0.42	
NC221	NC222	14.79	DN100	-3.59584	-0.04	-0.43	
NC223	NC224	15.10	DN100	-3.66584	-0.04	-0.44	
NC225	NC226	14.93	DN100	-3.73584	-0.04	-0.45	
NC227	NT74	7.89	DN100	-3.80584	-0.02	-0.46	
NC228	NC229	16.18	DN100	-4.23344	-0.05	-0.51	
NC228	NT66	13.53	DN100	4.21594	0.05	0.51	
NC231	NC232	16.69	DN100	-4.33844	-0.06	-0.52	
NC233	NC234	16.63	DN100	-4.40844	-0.06	-0.53	
NC235	NC236	16.64	DN100	-4.47844	-0.06	-0.54	

NC237	NC238	14.96	DN100	-4.22630	-0.05	-0.51	
NC237	NT67	12.82	DN100	4.19130	0.04	0.50	
NC238	NC239	14.97	DN100	-4.26130	-0.05	-0.51	
NC239	NC240	15.07	DN100	-4.29630	-0.05	-0.52	
NC240	NC241	14.91	DN100	-4.33130	-0.05	-0.52	
NC241	NC242	14.82	DN100	-4.36630	-0.05	-0.52	
NC242	NC243	15.02	DN100	-4.40130	-0.05	-0.53	
NC243	NC244	14.96	DN100	-4.43630	-0.05	-0.53	
NC244	NC245	14.96	DN100	-4.47130	-0.06	-0.54	
NC245	NC246	14.93	DN100	-4.50630	-0.06	-0.54	
NC246	NC247	15.15	DN100	-4.54130	-0.06	-0.55	
NC247	NC248	14.68	DN100	-4.57630	-0.06	-0.55	
NC248	NT76	6.24	DN100	-4.61130	-0.02	-0.55	
NC249	NT68	21.13	DN100	3.59352	0.05	0.43	
NC253	NC254	16.59	DN100	-3.76852	-0.05	-0.45	
NC255	NC256	16.31	DN100	-3.83852	-0.05	-0.46	
NC257	NC258	16.39	DN100	-3.90852	-0.05	-0.47	
NC259	NC260	16.33	DN100	-3.97852	-0.05	-0.48	
NC261	NT79	7.52	DN100	-4.04852	-0.02	-0.49	
NC262	NT69	2.12	DN100	-9.50392	-0.03	-1.14	
NC263	NT58	3.32	DN100	-0.96744	-0.00	-0.12	Vel.< 0.3 m/s
NT1	NT2	41.50	DN150	14.12803	0.18	0.76	
NT3	NT4	27.71	DN100	1.20179	0.01	0.14	Vel.< 0.3 m/s
NT5	NT6	15.71	DN100	1.27371	0.01	0.15	Vel.< 0.3 m/s
NT8	SG1	137.03	DN200	-74.75389	-3.21	-2.30	
NT9	NT10	25.53	DN150	10.50388	0.06	0.57	
NT9	NT18	38.82	DN250	22.12206	0.03	0.44	
NT11	NT12	8.69	DN100	5.59318	0.05	0.67	
NT12	NT13	25.40	DN100	2.35011	0.03	0.28	Vel.< 0.3 m/s
NT14	NT23	37.00	DN100	-4.76069	-0.15	-0.57	
NT15	NT16	15.70	DN100	1.16364	0.01	0.14	Vel.< 0.3 m/s
NT15	NT24	40.35	DN100	-4.76477	-0.17	-0.57	
NT16	NT25	40.35	DN100	-4.86022	-0.17	-0.58	
NT17	NT26	38.84	DN100	-5.86243	-0.24	-0.70	
NT22	NT23	11.33	DN100	6.34920	0.08	0.76	
NT24	NT25	15.70	DN100	-0.38277	-0.00	-0.05	Vel.< 0.3 m/s
NT26	NT32	22.79	DN100	-7.34588	-0.21	-0.88	
NT27	NT33	15.31	DN100	-3.78222	-0.04	-0.45	
NT27	NT97	25.95	DN150	-1.38909	-0.00	-0.08	Vel.< 0.3 m/s
NT28	NT29	25.40	DN100	2.24093	0.03	0.27	Vel.< 0.3 m/s
NT28	NT34	14.40	DN100	-5.69080	-0.08	-0.68	
NT29	NT35	14.40	DN100	-4.22943	-0.05	-0.51	
NT30	NT31	14.40	DN100	0.69854	0.00	0.08	Vel.< 0.3 m/s
NT30	NT36	14.40	DN100	-5.35907	-0.07	-0.64	
NT31	NT37	14.40	DN100	-5.95887	-0.09	-0.72	
NT32	NT38	14.69	DN100	-6.65302	-0.11	-0.80	

NT34	NT40	49.00	DN100	-4.63027	-0.19	-0.56	
NT35	NT41	49.00	DN100	-5.92494	-0.30	-0.71	
NT36	NT42	49.00	DN100	-6.39106	-0.35	-0.77	
NT40	NT41	25.40	DN100	-3.02954	-0.05	-0.36	
NT41	NT47	11.40	DN100	-8.71870	-0.14	-1.05	
NT42	NT43	14.40	DN80	-1.14031	-0.01	-0.21	Vel.< 0.3 m/s
NT42	NT48	11.40	DN80	-5.71404	-0.18	-1.04	
NT43	NT49	11.40	DN100	-7.25851	-0.10	-0.87	
NT44	NT50	11.42	DN100	-7.01868	-0.10	-0.84	
NT46	NT52	49.00	DN100	-3.68732	-0.13	-0.44	
NT48	NT54	49.00	DN100	-7.12433	-0.42	-0.86	
NT57	NT58	25.07	DN150	-9.80526	-0.06	-0.53	
NT57	NT82	92.44	DN250	-34.72242	-0.18	-0.69	
NT58	NT59	34.49	DN100	-10.77270	-0.63	-1.29	
NT60	NT61	25.91	DN100	-2.29656	-0.03	-0.28	Vel.< 0.3 m/s
NT62	NT63	9.49	DN100	0.99241	0.00	0.12	Vel.< 0.3 m/s
NT64	NT65	14.53	DN80	-0.04040	-0.00	-0.01	Vel.< 0.3 m/s
NT65	NT66	49.45	DN100	-4.20406	-0.16	-0.50	
NT66	NT67	9.42	DN100	0.00000	0.00	0.00	Vel.< 0.3 m/s
NT67	NT68	53.79	DN100	4.20318	0.18	0.50	
NT69	NT81	11.78	DN100	-16.45968	-0.47	-1.98	
NT70	NT81	13.62	DN100	-15.29114	-0.48	-1.84	
NT71	NT72	9.20	DN100	3.61320	0.02	0.43	
NT75	NT80	5.95	DN100	-11.46102	-0.12	-1.38	
NT76	NT80	5.95	DN100	-8.65982	-0.07	-1.04	
NT78	NT79	16.02	DN100	4.04852	0.05	0.49	
NT80	SG2	30.07	DN150	-20.12083	-0.25	-1.09	
NT81	SG3	38.53	DN150	-31.75081	-0.74	-1.72	
NT82	NT83	29.12	DN250	-34.72243	-0.06	-0.69	
NT83	NT84	34.65	DN250	-34.72243	-0.07	-0.69	
NT84	NT85	26.41	DN250	-34.72243	-0.05	-0.69	
NT85	NT86	185.68	DN250	-34.72241	-0.36	-0.69	
NT86	NT87	82.40	DN250	-34.72242	-0.16	-0.69	
NT87	NT89	23.72	DN250	-34.72243	-0.05	-0.69	
NT89	NT90	59.94	DN250	-34.72242	-0.12	-0.69	
NT90	NT91	88.50	DN250	-34.72242	-0.17	-0.69	
NT91	NT92	102.27	DN250	-34.72242	-0.20	-0.69	
NT92	NT93	39.08	DN250	-34.72243	-0.08	-0.69	
NT93	NT94	27.64	DN250	-34.72243	-0.05	-0.69	
NT94	SG4	16.46	DN250	-34.72244	-0.03	-0.69	

Combinaciones: H2+H3

Inicio	Final	Longitud m	Diámetros mm	Caudal l/s	Périd. m.c.a.	Velocidad m/s	Coment.
BR39	NC39	25.31	DN100	-7.41376	-0.23	-0.89	

BR39	NC40	20.66	DN100	7.41376	0.19	0.89			H13	NC250	6.92	DN100	4.13574	0.02	0.50		
BR48	NT21	7.01	DN100	-8.59418	-0.09	-1.03			H13	NC251	9.77	DN100	-4.13573	-0.03	-0.50		
BR48	NT22	18.49	DN100	8.59418	0.22	1.03			H14	N53	22.21	DN100	-7.59264	-0.22	-0.91		
BR52	NC59	11.31	DN100	-5.07145	-0.05	-0.61			H14	N58	8.16	DN100	7.59264	0.08	0.91		
BR52	NC60	9.90	DN100	5.07145	0.05	0.61			N1	NC23	28.40	DN100	2.00573	0.03	0.24	Vel.< 0.3 m/s	
BR64	NC104	12.64	DN100	-3.80894	-0.04	-0.46			N1	NC24	15.62	DN100	-2.00573	-0.01	-0.24	Vel.< 0.3 m/s	
BR64	NC105	2.50	DN100	1.30894	0.00	0.16	Vel.< 0.3 m/s		N2	NC21	11.08	DN100	1.44573	0.01	0.17	Vel.< 0.3 m/s	
BR65	NC102	12.59	DN100	-3.87894	-0.04	-0.47			N2	NC22	24.47	DN100	-1.44573	-0.01	-0.17	Vel.< 0.3 m/s	
BR65	NC103	2.17	DN100	3.87894	0.01	0.47			N3	NC33	21.20	DN100	3.01881	0.04	0.36		
BR88	NC127	11.50	DN100	-2.37159	-0.01	-0.28	Vel.< 0.3 m/s		N3	NC34	12.38	DN100	-3.01881	-0.02	-0.36		
BR88	NC128	3.49	DN100	2.37159	0.00	0.28	Vel.< 0.3 m/s		N4	NC35	8.76	DN100	4.34881	0.03	0.52		
BR89	NC125	11.53	DN100	-2.44159	-0.01	-0.29	Vel.< 0.3 m/s		N4	NC36	18.71	DN100	-4.34881	-0.07	-0.52		
BR89	NC126	3.70	DN100	2.44159	0.00	0.29	Vel.< 0.3 m/s		N5	NC37	25.14	DN100	3.34319	0.06	0.40		
BR92	NC120	7.89	DN100	-4.16010	-0.03	-0.50			N5	NT13	6.22	DN100	-3.34319	-0.01	-0.40		
BR92	NC121	7.07	DN100	4.16010	0.02	0.50			N6	NC9	49.73	DN100	-8.51457	-0.59	-1.02		
BR93	NC118	8.00	DN100	-4.23010	-0.03	-0.51			N6	NC10	4.11	DN100	8.51457	0.05	1.02		
BR93	NC119	7.14	DN100	4.23010	0.02	0.51			N7	N8	30.01	DN100	-11.37543	-0.61	-1.37		
BR99	H9	21.39	DN100	-1.76103	-0.02	-0.21	Vel.< 0.3 m/s		N7	NC13	4.29	DN100	11.37544	0.09	1.37		
BR99	NT51	6.66	DN100	1.76103	0.00	0.21	Vel.< 0.3 m/s		N8	NC14	3.43	DN100	-11.37544	-0.07	-1.37		
BR107	NC181	4.70	DN100	-8.63713	-0.06	-1.04			N9	NC16	9.67	DN100	13.84294	0.28	1.66		
BR107	NT55	6.01	DN100	8.63713	0.07	1.04			N9	NT17	9.23	DN100	-13.84294	-0.27	-1.66		
BR115	NC169	2.77	DN100	3.01308	0.01	0.36			N10	NC82	3.91	DN100	8.61186	0.05	1.03		
BR115	NC170	12.41	DN100	-3.01308	-0.02	-0.36			N11	NC71	1.66	DN100	-1.40457	-0.00	-0.17	Vel.< 0.3 m/s	
H1	NC1	9.98	DN100	11.38615	0.20	1.37			N12	NC70	28.65	DN100	1.40457	0.01	0.17	Vel.< 0.3 m/s	
H1	NT2	10.61	DN100	-11.38615	-0.22	-1.37			N13	NC69	9.68	DN100	0.82707	0.00	0.10	Vel.< 0.3 m/s	
H2	NC8	18.03	DN100	-10.27789	-0.30	-1.23			N13	NC70	1.36	DN100	-0.82707	-0.00	-0.10	Vel.< 0.3 m/s	
H2	NT5	5.47	DN100	-6.32212	-0.04	-0.76			N14	N15	30.01	DN100	0.24957	0.00	0.03	Vel.< 0.3 m/s	
H3	NC13	5.44	DN100	-10.55294	-0.10	-1.27			N14	NC69	20.34	DN100	-0.24957	-0.00	-0.03	Vel.< 0.3 m/s	
H3	NT7	3.12	DN100	-6.04707	-0.02	-0.73			N15	NC68	19.49	DN100	0.24957	0.00	0.03	Vel.< 0.3 m/s	
H4	NC62	31.11	DN250	12.52517	0.01	0.25	Vel.< 0.3 m/s		N16	NT20	13.46	DN100	-6.37249	-0.09	-0.76		
H4	NT18	7.10	DN250	-12.52518	-0.00	-0.25	Vel.< 0.3 m/s		N16	NT21	26.25	DN100	6.37249	0.19	0.76		
H5	N11	28.66	DN100	-1.40457	-0.01	-0.17	Vel.< 0.3 m/s		N17	NT18	4.50	DN100	-9.01043	-0.06	-1.08		
H5	N12	2.54	DN100	1.40457	0.00	0.17	Vel.< 0.3 m/s		N17	NT19	20.61	DN150	9.01043	0.04	0.49		
H6	NC77	7.27	DN100	4.64285	0.03	0.56			N18	N19	30.00	DN100	-3.47033	-0.07	-0.42		
H6	NC78	15.27	DN100	-4.64285	-0.06	-0.56			N18	NT33	1.22	DN100	3.47034	0.00	0.42		
H7	N10	13.86	DN100	8.61186	0.17	1.03			N19	NT39	21.29	DN100	-3.47033	-0.05	-0.42		
H7	NT31	15.24	DN100	-8.61186	-0.19	-1.03			N20	NC115	7.00	DN100	4.37010	0.02	0.52		
H8	N23	27.84	DN100	9.17793	0.38	1.10			N20	NT39	12.08	DN100	-4.37010	-0.04	-0.52		
H8	N24	2.91	DN100	-9.17794	-0.04	-1.10			N21	NC116	7.97	DN100	-4.30010	-0.03	-0.52		
H9	N71	8.63	DN100	-1.76103	-0.01	-0.21	Vel.< 0.3 m/s		N21	NC117	7.11	DN100	4.30010	0.02	0.52		
H10	N82	6.56	DN100	8.93753	0.09	1.07			N22	NC122	7.96	DN100	-4.09010	-0.03	-0.49		
H10	NC192	15.26	DN100	-8.93753	-0.20	-1.07			N22	NT40	5.05	DN100	4.09010	0.02	0.49		
H11	N38	25.00	DN100	8.97913	0.33	1.08			N23	NT38	4.65	DN100	9.17794	0.06	1.10		
H11	N39	5.06	DN100	-8.97913	-0.07	-1.08			N24	NT44	13.63	DN100	-9.17793	-0.19	-1.10		
H12	NC198	7.06	DN100	6.75976	0.06	0.81			N25	NC135	8.58	DN100	-0.62329	-0.00	-0.07	Vel.< 0.3 m/s	
H12	NT69	34.08	DN100	-6.75975	-0.27	-0.81			N25	NC136	6.36	DN100	0.62329	0.00	0.07	Vel.< 0.3 m/s	

N26	NC133	8.63	DN100	-0.69329	-0.00	-0.08	Vel.< 0.3 m/s	N51	NC234	7.91	DN100	4.93964	0.04	0.59	
N26	NC134	6.43	DN100	0.69329	0.00	0.08	Vel.< 0.3 m/s	N51	NC235	8.78	DN100	-4.93964	-0.04	-0.59	
N27	NC131	8.59	DN100	-0.76329	-0.00	-0.09	Vel.< 0.3 m/s	N52	NC236	4.59	DN100	5.00964	0.02	0.60	
N27	NC132	6.40	DN100	0.76329	0.00	0.09	Vel.< 0.3 m/s	N52	NT75	20.73	DN100	-5.00964	-0.09	-0.60	
N28	NT37	22.80	DN100	8.89078	0.29	1.07		N53	NT75	9.20	DN100	-7.59264	-0.09	-0.91	
N28	NT43	26.20	DN100	-8.89077	-0.34	-1.07		N54	NC220	6.39	DN100	4.00829	0.02	0.48	
N29	N30	26.90	DN100	-8.48695	-0.32	-1.02		N54	NC221	8.67	DN100	-4.00829	-0.03	-0.48	
N29	NT50	4.00	DN100	8.48695	0.05	1.02		N55	NC222	6.58	DN100	4.07829	0.02	0.49	
N30	NT56	18.31	DN100	-8.48695	-0.22	-1.02		N55	NC223	8.41	DN100	-4.07829	-0.03	-0.49	
N31	NT49	24.01	DN100	8.48285	0.28	1.02		N56	NC224	6.55	DN100	4.14829	0.02	0.50	
N31	NT55	25.00	DN100	-8.48285	-0.30	-1.02		N56	NC225	8.35	DN100	-4.14829	-0.03	-0.50	
N32	NC183	11.20	DN100	-0.10178	-0.00	-0.01	Vel.< 0.3 m/s	N57	NC226	6.86	DN100	4.21829	0.02	0.51	
N32	NC184	3.84	DN100	0.10178	0.00	0.01	Vel.< 0.3 m/s	N57	NC227	8.07	DN100	-4.21829	-0.03	-0.51	
N33	NC185	11.17	DN100	0.00000	-0.00	0.00	Vel.< 0.3 m/s	N58	NT74	15.12	DN100	7.59264	0.15	0.91	
N33	NC186	3.89	DN100	0.00000	0.00	0.00	Vel.< 0.3 m/s	N59	NT73	1.43	DN100	3.33936	0.00	0.40	
N34	NC187	11.27	DN100	0.03822	0.00	0.00	Vel.< 0.3 m/s	N59	NT74	13.44	DN100	-3.33936	-0.03	-0.40	
N34	NC188	3.84	DN100	0.00000	-0.00	0.00	Vel.< 0.3 m/s	N60	NC211	5.54	DN100	3.08591	0.01	0.37	
N35	N36	29.97	DN100	-8.59516	-0.36	-1.03		N60	NC212	9.39	DN100	-3.08591	-0.02	-0.37	
N35	NT56	11.57	DN100	8.59517	0.14	1.03		N61	NT72	20.58	DN100	-0.84103	-0.00	-0.10	Vel.< 0.3 m/s
N36	NC193	24.37	DN100	-8.59516	-0.30	-1.03		N61	NT73	28.62	DN100	0.84103	0.01	0.10	Vel.< 0.3 m/s
N37	NC193	5.64	DN100	8.93717	0.07	1.07		N62	NC209	5.13	DN100	3.01591	0.01	0.36	
N37	NT68	6.64	DN100	-8.93717	-0.09	-1.07		N62	NC210	9.54	DN100	-3.01591	-0.02	-0.36	
N38	NC181	25.31	DN100	8.97913	0.33	1.08		N63	N64	30.01	DN100	4.67797	0.12	0.56	
N39	NT65	11.16	DN100	-8.97913	-0.15	-1.08		N63	NT63	14.40	DN100	-4.67797	-0.06	-0.56	
N40	NC249	4.28	DN100	4.10074	0.01	0.49		N64	NT64	5.16	DN100	4.67798	0.02	0.56	
N40	NC250	12.31	DN100	-4.10073	-0.04	-0.49		N65	NC203	26.65	DN100	-7.37397	-0.25	-0.88	
N41	NC251	1.65	DN100	4.17074	0.01	0.50		N65	NT71	24.96	DN100	7.37397	0.23	0.88	
N41	NC252	14.84	DN100	-4.17073	-0.05	-0.50		N66	NT61	31.89	DN100	1.52246	0.02	0.18	Vel.< 0.3 m/s
N42	NC252	14.62	DN100	4.20573	0.05	0.50		N66	NT62	18.12	DN100	-1.52246	-0.01	-0.18	Vel.< 0.3 m/s
N42	NC253	1.62	DN100	-4.20574	-0.01	-0.50		N67	NC200	13.49	DN100	8.60387	0.16	1.03	
N43	NC254	11.88	DN100	4.27573	0.04	0.51		N67	NC201	1.64	DN100	-8.60388	-0.02	-1.03	
N43	NC255	4.37	DN100	-4.27574	-0.02	-0.51		N68	NC202	13.51	DN100	8.67387	0.17	1.04	
N44	NC256	9.37	DN100	4.34574	0.03	0.52		N68	NT70	1.58	DN100	-8.67388	-0.02	-1.04	
N44	NC257	6.85	DN100	-4.34574	-0.02	-0.52		N69	N70	28.09	DN100	3.39835	0.06	0.41	
N45	NC258	6.77	DN100	4.41574	0.02	0.53		N69	NC190	58.73	DN100	-3.39835	-0.13	-0.41	
N45	NC259	9.53	DN100	-4.41574	-0.03	-0.53		N70	NT59	7.59	DN100	3.39836	0.02	0.41	
N46	NC260	4.16	DN100	4.48574	0.02	0.54		N71	N72	30.00	DN100	-1.76103	-0.02	-0.21	Vel.< 0.3 m/s
N46	NC261	20.56	DN100	-4.48573	-0.08	-0.54		N72	NC263	2.39	DN100	-1.76103	-0.00	-0.21	Vel.< 0.3 m/s
N47	NT76	9.30	DN100	-4.52074	-0.04	-0.54		N73	NT45	26.53	DN100	4.51161	0.10	0.54	
N47	NT78	34.62	DN100	4.52073	0.13	0.54		N73	NT51	23.37	DN100	-4.51161	-0.09	-0.54	
N48	NC229	1.91	DN100	4.76464	0.01	0.57		N74	NT39	8.73	DN100	7.84043	0.09	0.94	
N48	NC230	14.38	DN100	-4.76464	-0.06	-0.57		N74	NT45	3.49	DN100	-7.84043	-0.04	-0.94	
N49	NC230	14.58	DN100	4.79964	0.06	0.58		N75	NC163	2.74	DN100	2.80308	0.00	0.34	
N49	NC231	2.43	DN100	-4.79964	-0.01	-0.58		N75	NC164	12.08	DN100	-2.80308	-0.02	-0.34	
N50	NC232	11.20	DN100	4.86964	0.05	0.58		N76	NC165	2.78	DN100	2.87308	0.00	0.34	
N50	NC233	5.43	DN100	-4.86964	-0.02	-0.58		N76	NC166	12.20	DN100	-2.87308	-0.02	-0.34	

N77	NC167	2.95	DN100	2.94308	0.01	0.35		NC31	NC32	34.11	DN100	-1.15794	-0.01	-0.14	Vel.< 0.3 m/s
N77	NC168	12.23	DN100	-2.94308	-0.02	-0.35		NC32	NT12	9.59	DN100	-1.43794	-0.00	-0.17	Vel.< 0.3 m/s
N78	NC171	2.95	DN100	3.08308	0.01	0.37		NC33	NT4	14.20	DN100	2.35381	0.02	0.28	Vel.< 0.3 m/s
N78	NT52	10.07	DN100	-3.08308	-0.02	-0.37		NC34	NC35	8.91	DN100	-3.68381	-0.02	-0.44	
N79	N80	26.94	DN100	-8.37466	-0.31	-1.01		NC36	NT13	5.11	DN100	-5.01381	-0.02	-0.60	
N79	NT47	5.52	DN100	8.37466	0.06	1.01		NC37	NT14	7.31	DN100	2.67819	0.01	0.32	
N80	NT53	16.54	DN100	-8.37466	-0.19	-1.01		NC38	NC39	6.39	DN100	8.07876	0.07	0.97	
N81	N82	30.00	DN100	-8.93752	-0.39	-1.07		NC38	NT14	28.10	DN100	-8.74376	-0.35	-1.05	
N81	NT53	13.46	DN100	8.93753	0.18	1.07		NC40	NT15	8.98	DN100	6.74876	0.07	0.81	
N83	NC177	6.22	DN100	-0.40536	-0.00	-0.05	Vel.< 0.3 m/s	NC41	NC42	40.07	DN100	-8.75776	-0.50	-1.05	
N83	NC178	8.76	DN100	0.40536	0.00	0.05	Vel.< 0.3 m/s	NC41	NT5	8.82	DN100	8.09276	0.10	0.97	
N84	NC175	6.37	DN100	-0.47536	-0.00	-0.06	Vel.< 0.3 m/s	NC42	NC43	8.40	DN100	-9.42276	-0.12	-1.13	
N84	NC176	8.73	DN100	0.47536	0.00	0.06	Vel.< 0.3 m/s	NC43	NC44	38.81	DN100	-10.08776	-0.63	-1.21	
N85	NC19	21.43	DN250	-10.22043	-0.00	-0.20	Vel.< 0.3 m/s	NC44	NT15	9.18	DN100	-10.75276	-0.17	-1.29	
N85	NT1	6.90	DN250	10.22043	0.00	0.20	Vel.< 0.3 m/s	NC45	NC46	39.50	DN100	-8.38892	-0.46	-1.01	
N86	NC11	16.46	DN100	-6.86957	-0.13	-0.82		NC45	NT6	11.19	DN100	7.56642	0.11	0.91	
N86	NC12	43.73	DN100	6.86957	0.35	0.82		NC46	NC47	7.20	DN100	-9.21142	-0.10	-1.11	
NC1	NC2	6.20	DN100	11.10615	0.12	1.33		NC47	NC48	40.77	DN100	-10.03392	-0.66	-1.20	
NC2	NC3	20.17	DN100	10.82614	0.37	1.30		NC48	NT16	6.61	DN100	-10.85643	-0.12	-1.30	
NC3	NC4	10.34	DN100	10.54615	0.18	1.27		NC49	NC50	50.40	DN100	3.88890	0.15	0.47	
NC4	NT3	8.89	DN100	10.26615	0.15	1.23		NC49	NT16	9.65	DN100	-4.71140	-0.04	-0.57	
NC5	NC6	19.26	DN100	12.27289	0.45	1.47		NC50	NC51	17.19	DN100	3.06640	0.03	0.37	
NC5	NT4	15.87	DN100	-12.93789	-0.41	-1.55		NC51	NC52	45.91	DN100	2.24390	0.05	0.27	Vel.< 0.3 m/s
NC6	NC7	32.83	DN100	11.60789	0.69	1.39		NC52	NT17	6.56	DN100	1.42140	0.00	0.17	Vel.< 0.3 m/s
NC7	NC8	25.40	DN100	10.94289	0.48	1.31		NC53	NC54	24.62	DN100	8.10499	0.27	0.97	
NC9	NT6	10.76	DN100	-9.33707	-0.15	-1.12		NC53	NT19	5.16	DN100	-8.68250	-0.06	-1.04	
NC10	NC11	9.44	DN100	7.69207	0.09	0.92		NC54	NC55	3.62	DN100	7.52750	0.03	0.90	
NC12	NT7	6.17	DN100	6.04707	0.04	0.73		NC55	NC56	21.34	DN100	6.94999	0.18	0.83	
NC14	NC15	8.39	DN100	-12.19794	-0.19	-1.46		NC56	NT20	1.26	DN100	6.37250	0.01	0.76	
NC15	NC16	38.52	DN100	-13.02043	-1.00	-1.56		NC57	NC72	31.20	DN100	-2.79918	-0.05	-0.34	
NC17	NC18	37.56	DN200	65.95668	0.70	2.03		NC57	NT21	1.09	DN100	2.22168	0.00	0.27	Vel.< 0.3 m/s
NC17	NT8	24.61	DN200	-72.95669	-0.55	-2.24	Vel.máx.	NC58	NC59	51.60	DN100	5.49145	0.28	0.66	
NC18	NT9	33.27	DN200	58.95669	0.50	1.81		NC58	NT23	27.48	DN100	-5.91145	-0.17	-0.71	
NC19	NC20	63.32	DN250	-17.22043	-0.03	-0.34		NC60	NT24	5.22	DN100	4.65145	0.02	0.56	
NC20	NT9	27.10	DN250	-24.22044	-0.03	-0.48		NC61	NT25	28.29	DN100	-0.37282	-0.00	-0.04	Vel.< 0.3 m/s
NC21	NT2	13.61	DN100	1.16573	0.00	0.14	Vel.< 0.3 m/s	NC61	NT26	97.13	DN100	-0.36218	-0.00	-0.04	Vel.< 0.3 m/s
NC22	NC23	5.80	DN100	-1.72573	-0.00	-0.21	Vel.< 0.3 m/s	NC62	NC63	80.65	DN250	2.52516	0.00	0.05	Vel.< 0.3 m/s
NC24	NT10	3.68	DN100	-2.28573	-0.00	-0.27	Vel.< 0.3 m/s	NC63	NC64	49.85	DN250	-7.47485	-0.01	-0.15	Vel.< 0.3 m/s
NC25	NC26	32.29	DN100	10.63493	0.58	1.28		NC64	NT97	9.70	DN250	-17.47483	-0.01	-0.34	
NC25	NT10	3.97	DN100	-10.91494	-0.07	-1.31		NC65	NC66	89.95	DN250	-33.97013	-0.17	-0.67	
NC26	NC27	5.43	DN100	10.35494	0.09	1.24		NC65	NT97	42.30	DN250	26.97013	0.05	0.53	
NC27	NC28	19.92	DN100	10.07494	0.32	1.21		NC66	NC67	19.78	DN250	-40.97015	-0.05	-0.81	
NC28	NT11	5.69	DN100	9.79494	0.09	1.18		NC67	NT57	47.42	DN250	-41.12014	-0.12	-0.81	
NC29	NC30	39.03	DN100	-0.59794	-0.00	-0.07	Vel.< 0.3 m/s	NC68	NT19	13.65	DN100	-0.32793	-0.00	-0.04	Vel.< 0.3 m/s
NC29	NT3	8.30	DN100	0.31794	0.00	0.04	Vel.< 0.3 m/s	NC71	NT27	11.88	DN100	-1.98207	-0.01	-0.24	Vel.< 0.3 m/s
NC30	NC31	9.30	DN100	-0.87794	-0.00	-0.11	Vel.< 0.3 m/s	NC72	NC73	14.24	DN100	-3.37668	-0.03	-0.41	

NC73	NC74	52.76	DN100	-3.95418	-0.16	-0.47		NC114	NT38	12.09	DN100	1.21672	0.00	0.15	Vel.< 0.3 m/s
NC74	NT28	11.65	DN100	-4.53168	-0.04	-0.54		NC115	NC116	15.06	DN100	4.33510	0.05	0.52	
NC75	NC76	24.83	DN100	-3.80285	-0.07	-0.46		NC117	NC118	15.00	DN100	4.26510	0.05	0.51	
NC75	NT22	10.93	DN100	3.38285	0.02	0.41		NC119	NC120	15.01	DN100	4.19510	0.05	0.50	
NC76	NC77	41.44	DN100	-4.22285	-0.14	-0.51		NC121	NC122	14.98	DN100	4.12510	0.05	0.50	
NC78	NT29	11.09	DN100	-5.06285	-0.05	-0.61		NC123	NC124	10.11	DN100	2.51159	0.01	0.30	
NC79	NC80	35.36	DN100	-7.83634	-0.36	-0.94		NC123	NT41	10.42	DN100	-2.52909	-0.01	-0.30	
NC79	NT24	9.36	DN100	7.41634	0.09	0.89		NC124	NC125	15.08	DN100	2.47659	0.02	0.30	Vel.< 0.3 m/s
NC80	NC81	17.42	DN100	-8.25634	-0.20	-0.99		NC126	NC127	14.82	DN100	2.40659	0.02	0.29	Vel.< 0.3 m/s
NC81	NT30	10.90	DN100	-8.67634	-0.13	-1.04		NC128	NC129	14.91	DN100	2.33659	0.02	0.28	Vel.< 0.3 m/s
NC82	NT25	33.75	DN100	7.87686	0.35	0.95		NC129	NT42	11.79	DN100	2.30159	0.01	0.28	Vel.< 0.3 m/s
NC83	NC84	42.61	DN100	5.78126	0.25	0.69		NC130	NC131	15.12	DN100	0.79829	0.00	0.10	Vel.< 0.3 m/s
NC83	NT27	17.88	DN100	-6.35877	-0.13	-0.76		NC130	NT43	13.07	DN100	-0.83329	-0.00	-0.10	Vel.< 0.3 m/s
NC84	NC85	10.37	DN100	5.20377	0.05	0.62		NC132	NC133	14.98	DN100	0.72829	0.00	0.09	Vel.< 0.3 m/s
NC85	NC86	35.23	DN100	4.62626	0.14	0.56		NC134	NC135	15.00	DN100	0.65829	0.00	0.08	Vel.< 0.3 m/s
NC86	NT28	7.25	DN100	4.04877	0.02	0.49		NC136	NC137	13.25	DN100	0.58829	0.00	0.07	Vel.< 0.3 m/s
NC87	NC88	18.57	DN100	4.90618	0.08	0.59		NC137	NT44	10.07	DN100	0.57079	0.00	0.07	Vel.< 0.3 m/s
NC87	NT29	26.86	DN100	-5.32618	-0.14	-0.64		NC138	NC139	14.93	DN100	-3.36382	-0.03	-0.40	
NC88	NC89	22.60	DN100	4.48618	0.08	0.54		NC138	NT45	8.36	DN100	3.32882	0.02	0.40	
NC89	NC90	13.93	DN100	4.06618	0.04	0.49		NC139	NC140	15.08	DN100	-3.39882	-0.03	-0.41	
NC90	NT30	25.41	DN100	3.64618	0.07	0.44		NC140	NC141	15.08	DN100	-3.43382	-0.03	-0.41	
NC91	NT31	23.26	DN100	-3.12407	-0.05	-0.37		NC141	NC142	14.90	DN100	-3.46882	-0.04	-0.42	
NC91	NT32	107.19	DN100	2.38907	0.13	0.29	Vel.< 0.3 m/s	NC142	NC143	14.89	DN100	-3.50382	-0.04	-0.42	
NC92	NC93	10.54	DN100	4.60729	0.04	0.55		NC143	NC144	15.11	DN100	-3.53882	-0.04	-0.42	
NC92	NT33	4.91	DN100	-4.62479	-0.02	-0.56		NC144	NC145	15.10	DN100	-3.57382	-0.04	-0.43	
NC93	NC94	14.91	DN100	4.57229	0.06	0.55		NC145	NC146	15.15	DN100	-3.60882	-0.04	-0.43	
NC94	NC95	14.90	DN100	4.53729	0.06	0.54		NC146	NT46	13.00	DN100	-3.64382	-0.03	-0.44	
NC95	NC96	15.09	DN100	4.50229	0.06	0.54		NC147	NC148	11.73	DN100	-0.55793	-0.00	-0.07	Vel.< 0.3 m/s
NC96	NC97	15.08	DN100	4.46729	0.06	0.54		NC147	NT47	8.80	DN100	0.54043	0.00	0.06	Vel.< 0.3 m/s
NC97	NC98	15.10	DN100	4.43229	0.06	0.53		NC148	NC149	15.01	DN100	-0.59293	-0.00	-0.07	Vel.< 0.3 m/s
NC98	NC99	14.99	DN100	4.39729	0.05	0.53		NC149	NC150	14.96	DN100	-0.62793	-0.00	-0.08	Vel.< 0.3 m/s
NC99	NT34	13.03	DN100	4.36229	0.05	0.52		NC150	NC151	15.08	DN100	-0.66293	-0.00	-0.08	Vel.< 0.3 m/s
NC100	NC101	10.07	DN100	3.94894	0.03	0.47		NC151	NC152	15.11	DN100	-0.69793	-0.00	-0.08	Vel.< 0.3 m/s
NC100	NT35	10.45	DN100	-3.96644	-0.03	-0.48		NC152	NC153	14.82	DN100	-0.73293	-0.00	-0.09	Vel.< 0.3 m/s
NC101	NC102	15.08	DN100	3.91394	0.04	0.47		NC153	NT48	11.83	DN100	-0.76793	-0.00	-0.09	Vel.< 0.3 m/s
NC103	NC104	15.24	DN100	3.84394	0.04	0.46		NC154	NC155	12.73	DN100	0.36520	0.00	0.04	Vel.< 0.3 m/s
NC105	NC106	14.82	DN100	1.27393	0.01	0.15	Vel.< 0.3 m/s	NC154	NT49	7.71	DN100	-0.38270	-0.00	-0.05	Vel.< 0.3 m/s
NC106	NT36	11.82	DN100	1.23893	0.00	0.15	Vel.< 0.3 m/s	NC155	NC156	14.81	DN100	0.33020	0.00	0.04	Vel.< 0.3 m/s
NC107	NC108	15.01	DN100	1.44422	0.01	0.17	Vel.< 0.3 m/s	NC156	NC157	15.12	DN100	0.29520	0.00	0.04	Vel.< 0.3 m/s
NC107	NT37	12.94	DN100	-1.47922	-0.01	-0.18	Vel.< 0.3 m/s	NC157	NC158	14.98	DN100	0.26020	0.00	0.03	Vel.< 0.3 m/s
NC108	NC109	15.05	DN100	1.40922	0.01	0.17	Vel.< 0.3 m/s	NC158	NC159	14.92	DN100	0.22520	0.00	0.03	Vel.< 0.3 m/s
NC109	NC110	15.23	DN100	1.37422	0.01	0.16	Vel.< 0.3 m/s	NC159	NC160	15.11	DN100	0.19020	0.00	0.02	Vel.< 0.3 m/s
NC110	NC111	14.90	DN100	1.33922	0.01	0.16	Vel.< 0.3 m/s	NC160	NC161	14.99	DN100	0.15520	0.00	0.02	Vel.< 0.3 m/s
NC111	NC112	14.93	DN100	1.30422	0.01	0.16	Vel.< 0.3 m/s	NC161	NT50	15.50	DN100	0.12020	0.00	0.01	Vel.< 0.3 m/s
NC112	NC113	14.85	DN100	1.26922	0.01	0.15	Vel.< 0.3 m/s	NC162	NC163	13.11	DN100	-2.76808	-0.02	-0.33	
NC113	NC114	12.54	DN100	1.23422	0.00	0.15	Vel.< 0.3 m/s	NC162	NT51	13.79	DN100	2.75058	0.02	0.33	

NC164	NC165	15.15	DN100	-2.83808	-0.02	-0.34		NC216	NC217	16.70	DN100	-4.09289	-0.05	-0.49	
NC166	NC167	14.86	DN100	-2.90808	-0.03	-0.35		NC217	NC218	16.85	DN100	-4.12789	-0.05	-0.50	
NC168	NC169	15.00	DN100	-2.97808	-0.03	-0.36		NC218	NC219	16.58	DN100	-4.16289	-0.05	-0.50	
NC170	NC171	14.72	DN100	-3.04808	-0.03	-0.37		NC219	NT73	8.66	DN100	-4.18039	-0.03	-0.50	
NC172	NT52	11.43	DN100	6.72690	0.09	0.81		NC220	NT65	12.78	DN100	3.97329	0.04	0.48	
NC172	NT60	66.00	DN100	-7.23689	-0.59	-0.87		NC221	NC222	14.79	DN100	-4.04329	-0.05	-0.49	
NC173	NC174	10.89	DN100	0.54536	0.00	0.07	Vel.< 0.3 m/s	NC223	NC224	15.10	DN100	-4.11329	-0.05	-0.49	
NC173	NT53	9.66	DN100	-0.56286	-0.00	-0.07	Vel.< 0.3 m/s	NC225	NC226	14.93	DN100	-4.18329	-0.05	-0.50	
NC174	NC175	15.17	DN100	0.51036	0.00	0.06	Vel.< 0.3 m/s	NC227	NT74	7.89	DN100	-4.25329	-0.03	-0.51	
NC176	NC177	15.06	DN100	0.44036	0.00	0.05	Vel.< 0.3 m/s	NC228	NC229	16.18	DN100	-4.72964	-0.07	-0.57	
NC178	NC179	14.94	DN100	0.37036	0.00	0.04	Vel.< 0.3 m/s	NC228	NT66	13.53	DN100	4.71214	0.06	0.57	
NC179	NT54	11.53	DN100	0.33536	0.00	0.04	Vel.< 0.3 m/s	NC231	NC232	16.69	DN100	-4.83464	-0.07	-0.58	
NC180	NT54	10.13	DN100	7.87048	0.10	0.94		NC233	NC234	16.63	DN100	-4.90464	-0.07	-0.59	
NC180	NT64	67.07	DN100	-8.18247	-0.75	-0.98		NC235	NC236	16.64	DN100	-4.97464	-0.07	-0.60	
NC182	NC183	11.28	DN100	0.13678	0.00	0.02	Vel.< 0.3 m/s	NC237	NC238	14.96	DN100	-4.71675	-0.06	-0.57	
NC182	NT55	9.25	DN100	-0.15428	-0.00	-0.02	Vel.< 0.3 m/s	NC237	NT67	12.82	DN100	4.68175	0.05	0.56	
NC184	NC185	14.99	DN100	0.06678	0.00	0.01	Vel.< 0.3 m/s	NC238	NC239	14.97	DN100	-4.75175	-0.06	-0.57	
NC186	NC187	14.86	DN100	0.00000	-0.00	0.00	Vel.< 0.3 m/s	NC239	NC240	15.07	DN100	-4.78675	-0.06	-0.57	
NC188	NC189	14.99	DN100	-0.07322	-0.00	-0.01	Vel.< 0.3 m/s	NC240	NC241	14.91	DN100	-4.82175	-0.06	-0.58	
NC189	NT56	10.84	DN100	-0.10822	-0.00	-0.01	Vel.< 0.3 m/s	NC241	NC242	14.82	DN100	-4.85675	-0.06	-0.58	
NC190	NC191	29.77	DN100	-3.41585	-0.07	-0.41		NC242	NC243	15.02	DN100	-4.89175	-0.07	-0.59	
NC191	NT60	27.49	DN100	-3.45085	-0.06	-0.41		NC243	NC244	14.96	DN100	-4.92675	-0.07	-0.59	
NC192	NT61	12.22	DN100	-9.24953	-0.17	-1.11		NC244	NC245	14.96	DN100	-4.96175	-0.07	-0.60	
NC194	NC195	22.66	DN100	-6.61975	-0.17	-0.79		NC245	NC246	14.93	DN100	-4.99675	-0.07	-0.60	
NC194	NT59	34.25	DN100	6.58475	0.26	0.79		NC246	NC247	15.15	DN100	-5.03175	-0.07	-0.60	
NC195	NC196	15.01	DN100	-6.65475	-0.11	-0.80		NC247	NC248	14.68	DN100	-5.06675	-0.07	-0.61	
NC196	NC197	14.88	DN100	-6.68975	-0.11	-0.80		NC248	NT76	6.24	DN100	-5.10176	-0.03	-0.61	
NC197	NC198	15.08	DN100	-6.72475	-0.12	-0.81		NC249	NT68	21.13	DN100	4.06573	0.07	0.49	
NC199	NC262	16.69	DN100	-9.88094	-0.26	-1.19		NC253	NC254	16.59	DN100	-4.24073	-0.06	-0.51	
NC199	NT60	29.17	DN100	9.84594	0.45	1.18		NC255	NC256	16.31	DN100	-4.31073	-0.06	-0.52	
NC200	NT61	12.58	DN100	8.56888	0.15	1.03		NC257	NC258	16.39	DN100	-4.38073	-0.06	-0.53	
NC201	NC202	14.89	DN100	-8.63887	-0.18	-1.04		NC259	NC260	16.33	DN100	-4.45073	-0.06	-0.53	
NC203	NT70	0.87	DN100	-7.40897	-0.01	-0.89		NC261	NT79	7.52	DN100	-4.52074	-0.03	-0.54	
NC204	NC205	17.32	DN100	-3.28953	-0.04	-0.39		NC262	NT69	2.12	DN100	-9.91595	-0.03	-1.19	
NC204	NT62	24.58	DN100	3.25453	0.05	0.39		NC263	NT58	3.32	DN100	-2.27103	-0.00	-0.27	Vel.< 0.3 m/s
NC205	NC206	17.34	DN100	-3.32453	-0.04	-0.40		NT1	NT2	41.50	DN150	10.22042	0.10	0.55	
NC206	NC207	17.29	DN100	-3.35953	-0.04	-0.40		NT3	NT4	27.71	DN100	10.58408	0.49	1.27	
NC207	NT71	13.38	DN100	-3.39453	-0.03	-0.41		NT5	NT6	15.71	DN100	1.77065	0.01	0.21	Vel.< 0.3 m/s
NC208	NC209	14.91	DN100	-2.98091	-0.03	-0.36		NT8	SG1	137.03	DN200	-72.95662	-3.07	-2.24	
NC208	NT63	12.76	DN100	2.94591	0.02	0.35		NT9	NT10	25.53	DN150	13.20067	0.10	0.71	
NC210	NC211	15.32	DN100	-3.05091	-0.03	-0.37		NT9	NT18	38.82	DN250	21.53561	0.03	0.43	
NC212	NC213	12.05	DN100	-3.12091	-0.02	-0.37		NT11	NT12	8.69	DN100	9.79494	0.13	1.18	
NC213	NT72	8.79	DN100	-3.13841	-0.02	-0.38		NT12	NT13	25.40	DN100	8.35700	0.29	1.00	
NC214	NC215	16.79	DN100	-4.02289	-0.05	-0.48		NT14	NT23	37.00	DN100	-6.06557	-0.24	-0.73	
NC214	NT64	22.86	DN100	3.98789	0.07	0.48		NT15	NT16	15.70	DN100	5.50906	0.09	0.66	
NC215	NC216	17.28	DN100	-4.05789	-0.05	-0.49		NT15	NT24	40.35	DN100	-9.51306	-0.59	-1.14	

NT16	NT25	40.35	DN100	-10.05876	-0.65	-1.21	Vel.< 0.3 m/s
NT17	NT26	38.84	DN100	-12.42153	-0.93	-1.49	
NT22	NT23	11.33	DN100	11.97702	0.25	1.44	
NT24	NT25	15.70	DN100	2.55473	0.02	0.31	
NT26	NT32	22.79	DN100	-12.78372	-0.57	-1.53	
NT27	NT33	15.31	DN100	1.15446	0.01	0.14	
NT27	NT97	25.95	DN150	-9.49530	-0.05	-0.51	
NT28	NT29	25.40	DN100	7.15318	0.22	0.86	
NT28	NT34	14.40	DN100	-7.63610	-0.14	-0.92	
NT29	NT35	14.40	DN100	-3.23585	-0.03	-0.39	
NT30	NT31	14.40	DN100	4.32437	0.05	0.52	Vel.< 0.3 m/s
NT30	NT36	14.40	DN100	-9.35453	-0.20	-1.12	
NT31	NT37	14.40	DN100	-7.41156	-0.13	-0.89	
NT32	NT38	14.69	DN100	-10.39465	-0.25	-1.25	
NT34	NT40	49.00	DN100	-3.27381	-0.10	-0.39	
NT35	NT41	49.00	DN100	-7.20228	-0.43	-0.86	
NT36	NT42	49.00	DN100	-8.11559	-0.54	-0.97	
NT40	NT41	25.40	DN100	0.81629	0.00	0.10	
NT41	NT47	11.40	DN100	-8.91509	-0.15	-1.07	
NT42	NT43	14.40	DN80	1.62391	0.02	0.30	Vel.< 0.3 m/s
NT42	NT48	11.40	DN80	-7.43791	-0.29	-1.36	
NT43	NT49	11.40	DN100	-8.10015	-0.12	-0.97	
NT44	NT50	11.42	DN100	-8.60715	-0.14	-1.03	
NT46	NT52	49.00	DN100	-3.64382	-0.13	-0.44	
NT48	NT54	49.00	DN100	-8.20584	-0.55	-0.98	
NT57	NT58	25.07	DN150	-7.71208	-0.04	-0.42	
NT57	NT82	92.44	DN250	-33.40806	-0.17	-0.66	
NT58	NT59	34.49	DN100	-9.98310	-0.55	-1.20	
NT60	NT61	25.91	DN100	-0.84181	-0.01	-0.10	Vel.< 0.3 m/s
NT62	NT63	9.49	DN100	1.73207	0.01	0.21	Vel.< 0.3 m/s
NT64	NT65	14.53	DN80	0.48338	0.00	0.09	Vel.< 0.3 m/s
NT65	NT66	49.45	DN100	-4.52246	-0.19	-0.54	Vel.< 0.3 m/s
NT66	NT67	9.42	DN100	0.18968	0.00	0.02	
NT67	NT68	53.79	DN100	4.87143	0.23	0.58	
NT69	NT81	11.78	DN100	-16.67569	-0.49	-2.00	
NT70	NT81	13.62	DN100	-16.08283	-0.52	-1.93	
NT71	NT72	9.20	DN100	3.97944	0.03	0.48	
NT75	NT80	5.95	DN100	-12.60228	-0.15	-1.51	
NT76	NT80	5.95	DN100	-9.62249	-0.09	-1.15	
NT78	NT79	16.02	DN100	4.52073	0.06	0.54	
NT80	SG2	30.07	DN150	-22.22476	-0.30	-1.20	
NT81	SG3	38.53	DN150	-32.75852	-0.78	-1.77	Vel.< 0.3 m/s
NT82	NT83	29.12	DN250	-33.40807	-0.05	-0.66	
NT83	NT84	34.65	DN250	-33.40807	-0.06	-0.66	
NT84	NT85	26.41	DN250	-33.40807	-0.05	-0.66	
NT85	NT86	185.68	DN250	-33.40805	-0.33	-0.66	

NT86	NT87	82.40	DN250	-33.40806	-0.15	-0.66
NT87	NT89	23.72	DN250	-33.40807	-0.04	-0.66
NT89	NT90	59.94	DN250	-33.40806	-0.11	-0.66
NT90	NT91	88.50	DN250	-33.40806	-0.16	-0.66
NT91	NT92	102.27	DN250	-33.40806	-0.18	-0.66
NT92	NT93	39.08	DN250	-33.40807	-0.07	-0.66
NT93	NT94	27.64	DN250	-33.40807	-0.05	-0.66
NT94	SG4	16.46	DN250	-33.40808	-0.03	-0.66

Combinaciones: H3+H8

Inicio	Final	Longitud m	Diámetros mm	Caudal l/s	Périd. m.c.a.	Velocidad m/s	Coment.
BR39	NC39	25.31	DN100	-6.41181	-0.18	-0.77	Vel.< 0.3 m/s
BR39	NC40	20.66	DN100	6.41181	0.15	0.77	
BR48	NT21	7.01	DN100	-7.82673	-0.07	-0.94	
BR48	NT22	18.49	DN100	7.82673	0.19	0.94	
BR52	NC59	11.31	DN100	-5.25162	-0.06	-0.63	
BR52	NC60	9.90	DN100	5.25162	0.05	0.63	
BR64	NC104	12.64	DN100	-4.64070	-0.05	-0.56	
BR64	NC105	2.50	DN100	2.14069	0.00	0.26	
BR65	NC102	12.59	DN100	-4.71070	-0.05	-0.57	
BR65	NC103	2.17	DN100	4.71070	0.01	0.57	
BR88	NC127	11.50	DN100	-3.75949	-0.03	-0.45	Vel.< 0.3 m/s
BR88	NC128	3.49	DN100	3.75949	0.01	0.45	
BR89	NC125	11.53	DN100	-3.82949	-0.03	-0.46	
BR89	NC126	3.70	DN100	3.82949	0.01	0.46	
BR92	NC120	7.89	DN100	-4.96986	-0.04	-0.60	
BR92	NC121	7.07	DN100	4.96986	0.03	0.60	
BR93	NC118	8.00	DN100	-5.03986	-0.04	-0.60	
BR93	NC119	7.14	DN100	5.03986	0.03	0.60	
BR99	H9	21.39	DN100	-2.64706	-0.03	-0.32	
BR99	NT51	6.66	DN100	2.64706	0.01	0.32	
BR107	NC181	4.70	DN100	-8.82581	-0.06	-1.06	Vel.< 0.3 m/s
BR107	NT55	6.01	DN100	8.82581	0.08	1.06	
BR115	NC169	2.77	DN100	2.35837	0.00	0.28	
BR115	NC170	12.41	DN100	-2.35837	-0.01	-0.28	
H1	NC1	9.98	DN100	10.04343	0.16	1.21	
H1	NT2	10.61	DN100	-10.04343	-0.17	-1.21	
H2	NC8	18.03	DN100	-6.21116	-0.12	-0.75	
H2	NT5	5.47	DN100	6.21116	0.04	0.75	
H3	NC13	5.44	DN100	-8.74669	-0.07	-1.05	
H3	NT7	3.12	DN100	-7.85333	-0.03	-0.94	
H4	NC62	31.11	DN250	15.13363	0.01	0.30	Vel.< 0.3 m/s
H4	NT18	7.10	DN250	-15.13364	-0.00	-0.30	Vel.< 0.3 m/s
H5	N11	28.66	DN100	-0.98701	-0.01	-0.12	Vel.< 0.3 m/s

H5	N12	2.54	DN100	0.98701	0.00	0.12	Vel.< 0.3 m/s		N17	NT19	20.61	DN150	9.63516	0.04	0.52		
H6	NC77	7.27	DN100	3.03779	0.01	0.36			N18	N19	30.00	DN100	-2.52523	-0.04	-0.30		
H6	NC78	15.27	DN100	-3.03779	-0.03	-0.36			N18	NT33	1.22	DN100	2.52524	0.00	0.30		
H7	N10	13.86	DN100	5.69128	0.08	0.68			N19	NT39	21.29	DN100	-2.52523	-0.03	-0.30		
H7	NT31	15.24	DN100	-5.69128	-0.09	-0.68			N20	NC115	7.00	DN100	5.17986	0.03	0.62		
H8	N23	27.84	DN100	-1.40804	-0.01	-0.17	Vel.< 0.3 m/s		N20	NT39	12.08	DN100	-5.17986	-0.06	-0.62		
H8	N24	2.91	DN100	-15.19197	-0.10	-1.82			N21	NC116	7.97	DN100	-5.10986	-0.04	-0.61		
H9	N71	8.63	DN100	-2.64706	-0.01	-0.32			N21	NC117	7.11	DN100	5.10986	0.03	0.61		
H10	N82	6.56	DN100	9.12712	0.09	1.10			N22	NC122	7.96	DN100	-4.89986	-0.03	-0.59		
H10	NC192	15.26	DN100	-9.12712	-0.21	-1.10			N22	NT40	5.05	DN100	4.89986	0.02	0.59		
H11	N38	25.00	DN100	9.16781	0.34	1.10			N23	NT38	4.65	DN100	-1.40804	-0.00	-0.17	Vel.< 0.3 m/s	
H11	N39	5.06	DN100	-9.16781	-0.07	-1.10			N24	NT44	13.63	DN100	-15.19196	-0.47	-1.82		
H12	NC198	7.06	DN100	6.74171	0.06	0.81			N25	NC135	8.58	DN100	-3.52998	-0.02	-0.42		
H12	NT69	34.08	DN100	-6.74171	-0.27	-0.81			N25	NC136	6.36	DN100	3.52998	0.02	0.42		
H13	NC250	6.92	DN100	4.87963	0.03	0.59			N26	NC133	8.63	DN100	-3.59998	-0.02	-0.43		
H13	NC251	9.77	DN100	-4.87963	-0.04	-0.59			N26	NC134	6.43	DN100	3.59998	0.02	0.43		
H14	N53	22.21	DN100	-15.33891	-0.78	-1.84			N27	NC131	8.59	DN100	-3.66998	-0.02	-0.44		
H14	N58	8.16	DN100	-1.26109	-0.00	-0.15	Vel.< 0.3 m/s		N27	NC132	6.40	DN100	3.66998	0.02	0.44		
N1	NC23	28.40	DN100	1.85036	0.02	0.22	Vel.< 0.3 m/s		N28	NT37	22.80	DN100	7.53846	0.22	0.90		
N1	NC24	15.62	DN100	-1.85036	-0.01	-0.22	Vel.< 0.3 m/s		N28	NT43	26.20	DN100	-7.53846	-0.25	-0.90		
N2	NC21	11.08	DN100	1.29036	0.00	0.15	Vel.< 0.3 m/s		N29	N30	26.90	DN100	-9.50987	-0.39	-1.14		
N2	NC22	24.47	DN100	-1.29036	-0.01	-0.15	Vel.< 0.3 m/s		N29	NT50	4.00	DN100	9.50987	0.06	1.14		
N3	NC33	21.20	DN100	1.07544	0.01	0.13	Vel.< 0.3 m/s		N30	NT56	18.31	DN100	-9.50987	-0.27	-1.14		
N3	NC34	12.38	DN100	-1.07544	-0.00	-0.13	Vel.< 0.3 m/s		N31	NT49	24.01	DN100	8.44210	0.28	1.01		
N4	NC35	8.76	DN100	2.40544	0.01	0.29	Vel.< 0.3 m/s		N31	NT55	25.00	DN100	-8.44210	-0.29	-1.01		
N4	NC36	18.71	DN100	-2.40544	-0.02	-0.29	Vel.< 0.3 m/s		N32	NC183	11.20	DN100	-0.33121	-0.00	-0.04	Vel.< 0.3 m/s	
N5	NC37	25.14	DN100	4.89391	0.11	0.59			N32	NC184	3.84	DN100	0.33121	0.00	0.04	Vel.< 0.3 m/s	
N5	NT13	6.22	DN100	-4.89391	-0.03	-0.59			N33	NC185	11.17	DN100	-0.26121	-0.00	-0.03	Vel.< 0.3 m/s	
N6	NC9	49.73	DN100	-10.32082	-0.85	-1.24			N33	NC186	3.89	DN100	0.26121	0.00	0.03	Vel.< 0.3 m/s	
N6	NC10	4.11	DN100	10.32083	0.07	1.24			N34	NC187	11.27	DN100	-0.19121	-0.00	-0.02	Vel.< 0.3 m/s	
N7	N8	30.01	DN100	-9.56918	-0.44	-1.15			N34	NC188	3.84	DN100	0.19121	0.00	0.02	Vel.< 0.3 m/s	
N7	NC13	4.29	DN100	9.56919	0.06	1.15			N35	N36	29.97	DN100	-9.38866	-0.43	-1.13		
N8	NC14	3.43	DN100	-9.56919	-0.05	-1.15			N35	NT56	11.57	DN100	9.38866	0.17	1.13		
N9	NC16	9.67	DN100	12.03669	0.22	1.44			N36	NC193	24.37	DN100	-9.38866	-0.35	-1.13		
N9	NT17	9.23	DN100	-12.03669	-0.21	-1.44			N37	NC193	5.64	DN100	9.73067	0.09	1.17		
N10	NC82	3.91	DN100	5.69129	0.02	0.68			N37	NT68	6.64	DN100	-9.73067	-0.10	-1.17		
N11	NC71	1.66	DN100	-0.98701	-0.00	-0.12	Vel.< 0.3 m/s		N38	NC181	25.31	DN100	9.16781	0.35	1.10		
N12	NC70	28.65	DN100	0.98701	0.01	0.12	Vel.< 0.3 m/s		N39	NT65	11.16	DN100	-9.16781	-0.15	-1.10		
N13	NC69	9.68	DN100	0.40951	0.00	0.05	Vel.< 0.3 m/s		N40	NC249	4.28	DN100	4.84463	0.02	0.58		
N13	NC70	1.36	DN100	-0.40951	-0.00	-0.05	Vel.< 0.3 m/s		N40	NC250	12.31	DN100	-4.84463	-0.05	-0.58		
N14	N15	30.01	DN100	-0.16799	-0.00	-0.02	Vel.< 0.3 m/s		N41	NC251	1.65	DN100	4.91463	0.01	0.59		
N14	NC69	20.34	DN100	0.16799	0.00	0.02	Vel.< 0.3 m/s		N41	NC252	14.84	DN100	-4.91463	-0.07	-0.59		
N15	NC68	19.49	DN100	-0.16799	-0.00	-0.02	Vel.< 0.3 m/s		N42	NC252	14.62	DN100	4.94963	0.07	0.59		
N16	NT20	13.46	DN100	-6.57967	-0.10	-0.79			N42	NC253	1.62	DN100	-4.94963	-0.01	-0.59		
N16	NT21	26.25	DN100	6.57967	0.20	0.79			N43	NC254	11.88	DN100	5.01963	0.05	0.60		
N17	NT18	4.50	DN100	-9.63516	-0.07	-1.16			N43	NC255	4.37	DN100	-5.01963	-0.02	-0.60		

N44	NC256	9.37	DN100	5.08963	0.04	0.61		N68	NT70	1.58	DN100	-9.39277	-0.02	-1.13	
N44	NC257	6.85	DN100	-5.08963	-0.03	-0.61		N69	N70	28.09	DN100	2.12513	0.03	0.26	Vel.< 0.3 m/s
N45	NC258	6.77	DN100	5.15963	0.03	0.62		N69	NC190	58.73	DN100	-2.12513	-0.06	-0.26	Vel.< 0.3 m/s
N45	NC259	9.53	DN100	-5.15963	-0.05	-0.62		N70	NT59	7.59	DN100	2.12513	0.01	0.26	Vel.< 0.3 m/s
N46	NC260	4.16	DN100	5.22963	0.02	0.63		N71	N72	30.00	DN100	-2.64706	-0.04	-0.32	
N46	NC261	20.56	DN100	-5.22963	-0.10	-0.63		N72	NC263	2.39	DN100	-2.64706	-0.00	-0.32	
N47	NT76	9.30	DN100	-5.26463	-0.05	-0.63		N73	NT45	26.53	DN100	4.74292	0.11	0.57	
N47	NT78	34.62	DN100	5.26463	0.17	0.63		N73	NT51	23.37	DN100	-4.74292	-0.10	-0.57	
N48	NC229	1.91	DN100	5.27117	0.01	0.63		N74	NT39	8.73	DN100	7.70510	0.09	0.92	
N48	NC230	14.38	DN100	-5.27116	-0.07	-0.63		N74	NT45	3.49	DN100	-7.70510	-0.03	-0.92	
N49	NC230	14.58	DN100	5.30616	0.07	0.64		N75	NC163	2.74	DN100	2.14837	0.00	0.26	Vel.< 0.3 m/s
N49	NC231	2.43	DN100	-5.30617	-0.01	-0.64		N75	NC164	12.08	DN100	-2.14837	-0.01	-0.26	Vel.< 0.3 m/s
N50	NC232	11.20	DN100	5.37616	0.06	0.65		N76	NC165	2.78	DN100	2.21837	0.00	0.27	Vel.< 0.3 m/s
N50	NC233	5.43	DN100	-5.37617	-0.03	-0.65		N76	NC166	12.20	DN100	-2.21837	-0.01	-0.27	Vel.< 0.3 m/s
N51	NC234	7.91	DN100	5.44617	0.04	0.65		N77	NC167	2.95	DN100	2.28837	0.00	0.27	Vel.< 0.3 m/s
N51	NC235	8.78	DN100	-5.44617	-0.05	-0.65		N77	NC168	12.23	DN100	-2.28837	-0.01	-0.27	Vel.< 0.3 m/s
N52	NC236	4.59	DN100	5.51617	0.02	0.66		N78	NC171	2.95	DN100	2.42837	0.00	0.29	Vel.< 0.3 m/s
N52	NT75	20.73	DN100	-5.51616	-0.11	-0.66		N78	NT52	10.07	DN100	-2.42837	-0.01	-0.29	Vel.< 0.3 m/s
N53	NT75	9.20	DN100	-15.33891	-0.32	-1.84	Vel.< 0.3 m/s	N79	N80	26.94	DN100	-7.87885	-0.28	-0.95	
N54	NC220	6.39	DN100	1.83164	0.00	0.22	Vel.< 0.3 m/s	N79	NT47	5.52	DN100	7.87885	0.06	0.95	
N54	NC221	8.67	DN100	-1.83164	-0.01	-0.22	Vel.< 0.3 m/s	N80	NT53	16.54	DN100	-7.87885	-0.17	-0.95	
N55	NC222	6.58	DN100	1.90164	0.01	0.23	Vel.< 0.3 m/s	N81	N82	30.00	DN100	-9.12711	-0.41	-1.10	
N55	NC223	8.41	DN100	-1.90164	-0.01	-0.23	Vel.< 0.3 m/s	N81	NT53	13.46	DN100	9.12712	0.18	1.10	
N56	NC224	6.55	DN100	1.97164	0.01	0.24	Vel.< 0.3 m/s	N83	NC177	6.22	DN100	-1.09077	-0.00	-0.13	Vel.< 0.3 m/s
N56	NC225	8.35	DN100	-1.97164	-0.01	-0.24	Vel.< 0.3 m/s	N83	NC178	8.76	DN100	1.09077	0.00	0.13	Vel.< 0.3 m/s
N57	NC226	6.86	DN100	2.04164	0.01	0.25	Vel.< 0.3 m/s	N84	NC175	6.37	DN100	-1.16077	-0.00	-0.14	Vel.< 0.3 m/s
N57	NC227	8.07	DN100	-2.04164	-0.01	-0.25	Vel.< 0.3 m/s	N84	NC176	8.73	DN100	1.16077	0.00	0.14	Vel.< 0.3 m/s
N58	NT74	15.12	DN100	-1.26109	-0.01	-0.15	Vel.< 0.3 m/s	N85	NC19	21.43	DN250	-9.03308	-0.00	-0.18	Vel.< 0.3 m/s
N59	NT73	1.43	DN100	-3.33774	-0.00	-0.40		N85	NT1	6.90	DN250	9.03308	0.00	0.18	Vel.< 0.3 m/s
N59	NT74	13.44	DN100	3.33774	0.03	0.40		N86	NC11	16.46	DN100	-8.67582	-0.20	-1.04	
N60	NC211	5.54	DN100	1.63531	0.00	0.20	Vel.< 0.3 m/s	N86	NC12	43.73	DN100	8.67582	0.54	1.04	
N60	NC212	9.39	DN100	-1.63531	-0.01	-0.20	Vel.< 0.3 m/s	NC1	NC2	6.20	DN100	9.76343	0.10	1.17	
N61	NT72	20.58	DN100	-5.62492	-0.12	-0.68		NC2	NC3	20.17	DN100	9.48343	0.29	1.14	
N61	NT73	28.62	DN100	5.62492	0.16	0.68		NC3	NC4	10.34	DN100	9.20343	0.14	1.10	
N62	NC209	5.13	DN100	1.56531	0.00	0.19	Vel.< 0.3 m/s	NC4	NT3	8.89	DN100	8.92343	0.12	1.07	
N62	NC210	9.54	DN100	-1.56531	-0.01	-0.19	Vel.< 0.3 m/s	NC5	NC6	19.26	DN100	8.20616	0.22	0.98	
N63	N64	30.01	DN100	6.28828	0.21	0.75		NC5	NT4	15.87	DN100	-8.87116	-0.20	-1.06	
N63	NT63	14.40	DN100	-6.28829	-0.10	-0.75		NC6	NC7	32.83	DN100	7.54116	0.31	0.91	
N64	NT64	5.16	DN100	6.28829	0.04	0.75		NC7	NC8	25.40	DN100	6.87616	0.21	0.83	
N65	NC203	26.65	DN100	-9.64905	-0.40	-1.16		NC9	NT6	10.76	DN100	-11.14332	-0.21	-1.34	
N65	NT71	24.96	DN100	9.64905	0.37	1.16		NC10	NC11	9.44	DN100	9.49832	0.14	1.14	
N66	NT61	31.89	DN100	-2.59665	-0.04	-0.31		NC12	NT7	6.17	DN100	7.85333	0.06	0.94	
N66	NT62	18.12	DN100	2.59665	0.03	0.31		NC14	NC15	8.39	DN100	-10.39169	-0.14	-1.25	
N67	NC200	13.49	DN100	9.32276	0.19	1.12		NC15	NC16	38.52	DN100	-11.21418	-0.76	-1.35	
N67	NC201	1.64	DN100	-9.32276	-0.02	-1.12		NC17	NC18	37.56	DN200	66.67385	0.71	2.05	
N68	NC202	13.51	DN100	9.39276	0.19	1.13		NC17	NT8	24.61	DN200	-73.67387	-0.56	-2.26	

NC18	NT9	33.27	DN200	59.67386	0.51	1.83			NC58	NT23	27.48	DN100	-6.09162	-0.18	-0.73		
NC19	NC20	63.32	DN250	-16.03308	-0.03	-0.32			NC60	NT24	5.22	DN100	4.83162	0.02	0.58		
NC20	NT9	27.10	DN250	-23.03309	-0.02	-0.45			NC61	NT25	28.29	DN100	-3.50676	-0.07	-0.42		
NC21	NT2	13.61	DN100	1.01036	0.00	0.12	Vel.< 0.3 m/s		NC61	NT26	97.13	DN100	2.77176	0.15	0.33		
NC22	NC23	5.80	DN100	-1.57036	-0.00	-0.19	Vel.< 0.3 m/s		NC62	NC63	80.65	DN250	5.13362	0.01	0.10	Vel.< 0.3 m/s	
NC24	NT10	3.68	DN100	-2.13036	-0.00	-0.26	Vel.< 0.3 m/s		NC63	NC64	49.85	DN250	-4.86640	-0.00	-0.10	Vel.< 0.3 m/s	
NC25	NC26	32.29	DN100	9.46164	0.47	1.14			NC64	NT97	9.70	DN250	-14.86639	-0.00	-0.29	Vel.< 0.3 m/s	
NC25	NT10	3.97	DN100	-9.74165	-0.06	-1.17			NC65	NC66	89.95	DN250	-33.35965	-0.16	-0.66		
NC26	NC27	5.43	DN100	9.18165	0.07	1.10			NC65	NT97	42.30	DN250	26.35965	0.05	0.52		
NC27	NC28	19.92	DN100	8.90165	0.26	1.07			NC66	NC67	19.78	DN250	-40.35967	-0.05	-0.80		
NC28	NT11	5.69	DN100	8.62165	0.07	1.03			NC67	NT57	47.42	DN250	-40.50966	-0.12	-0.80		
NC29	NC30	39.03	DN100	0.18271	0.00	0.02	Vel.< 0.3 m/s		NC68	NT19	13.65	DN100	-0.74549	-0.00	-0.09	Vel.< 0.3 m/s	
NC29	NT3	8.30	DN100	-0.46271	-0.00	-0.06	Vel.< 0.3 m/s		NC71	NT27	11.88	DN100	-1.56451	-0.01	-0.19	Vel.< 0.3 m/s	
NC30	NC31	9.30	DN100	-0.09729	-0.00	-0.01	Vel.< 0.3 m/s		NC72	NC73	14.24	DN100	-2.40206	-0.02	-0.29	Vel.< 0.3 m/s	
NC31	NC32	34.11	DN100	-0.37729	-0.00	-0.05	Vel.< 0.3 m/s		NC73	NC74	52.76	DN100	-2.97956	-0.09	-0.36		
NC32	NT12	9.59	DN100	-0.65729	-0.00	-0.08	Vel.< 0.3 m/s		NC74	NT28	11.65	DN100	-3.55706	-0.03	-0.43		
NC33	NT4	14.20	DN100	0.41044	0.00	0.05	Vel.< 0.3 m/s		NC75	NC76	24.83	DN100	-2.19779	-0.03	-0.26	Vel.< 0.3 m/s	
NC34	NC35	8.91	DN100	-1.74044	-0.01	-0.21	Vel.< 0.3 m/s		NC75	NT22	10.93	DN100	1.77779	0.01	0.21	Vel.< 0.3 m/s	
NC36	NT13	5.11	DN100	-3.07044	-0.01	-0.37			NC76	NC77	41.44	DN100	-2.61779	-0.06	-0.31		
NC37	NT14	7.31	DN100	4.22891	0.02	0.51			NC78	NT29	11.09	DN100	-3.45779	-0.03	-0.41		
NC38	NC39	6.39	DN100	7.07681	0.05	0.85			NC79	NC80	35.36	DN100	-5.38267	-0.18	-0.65		
NC38	NT14	28.10	DN100	-7.74181	-0.28	-0.93			NC79	NT24	9.36	DN100	4.96268	0.04	0.60		
NC40	NT15	8.98	DN100	5.74681	0.05	0.69			NC80	NC81	17.42	DN100	-5.80268	-0.10	-0.70		
NC41	NC42	40.07	DN100	-2.97361	-0.07	-0.36			NC81	NT30	10.90	DN100	-6.22268	-0.07	-0.75		
NC41	NT5	8.82	DN100	2.30862	0.01	0.28	Vel.< 0.3 m/s		NC82	NT25	33.75	DN100	4.95628	0.15	0.59		
NC42	NC43	8.40	DN100	-3.63862	-0.02	-0.44			NC83	NC84	42.61	DN100	6.46610	0.31	0.78		
NC43	NC44	38.81	DN100	-4.30362	-0.13	-0.52			NC83	NT27	17.88	DN100	-7.04360	-0.15	-0.85		
NC44	NT15	9.18	DN100	-4.96862	-0.04	-0.60			NC84	NC85	10.37	DN100	5.88860	0.06	0.71		
NC45	NC46	39.50	DN100	-3.44605	-0.09	-0.41			NC85	NC86	35.23	DN100	5.31110	0.18	0.64		
NC45	NT6	11.19	DN100	2.62355	0.02	0.31			NC86	NT28	7.25	DN100	4.73360	0.03	0.57		
NC46	NC47	7.20	DN100	-4.26855	-0.02	-0.51			NC87	NC88	18.57	DN100	5.57805	0.10	0.67		
NC47	NC48	40.77	DN100	-5.09105	-0.19	-0.61			NC87	NT29	26.86	DN100	-5.99805	-0.17	-0.72		
NC48	NT16	6.61	DN100	-5.91355	-0.04	-0.71			NC88	NC89	22.60	DN100	5.15805	0.11	0.62		
NC49	NC50	50.40	DN100	5.28596	0.25	0.63			NC89	NC90	13.93	DN100	4.73805	0.06	0.57		
NC49	NT16	9.65	DN100	-6.10847	-0.06	-0.73			NC90	NT30	25.41	DN100	4.31805	0.09	0.52		
NC50	NC51	17.19	DN100	4.46346	0.06	0.54			NC91	NT31	23.26	DN100	-4.60198	-0.09	-0.55		
NC51	NC52	45.91	DN100	3.64096	0.12	0.44			NC91	NT32	107.19	DN100	3.86698	0.31	0.46		
NC52	NT17	6.56	DN100	2.81846	0.01	0.34			NC92	NC93	10.54	DN100	5.39289	0.05	0.65		
NC53	NC54	24.62	DN100	8.31217	0.28	1.00			NC92	NT33	4.91	DN100	-5.41039	-0.03	-0.65		
NC53	NT19	5.16	DN100	-8.88967	-0.07	-1.07			NC93	NC94	14.91	DN100	5.35789	0.08	0.64		
NC54	NC55	3.62	DN100	7.73468	0.04	0.93			NC94	NC95	14.90	DN100	5.32289	0.08	0.64		
NC55	NC56	21.34	DN100	7.15717	0.19	0.86			NC95	NC96	15.09	DN100	5.28789	0.08	0.63		
NC56	NT20	1.26	DN100	6.57968	0.01	0.79			NC96	NC97	15.08	DN100	5.25289	0.07	0.63		
NC57	NC72	31.20	DN100	-1.82456	-0.02	-0.22	Vel.< 0.3 m/s		NC97	NC98	15.10	DN100	5.21789	0.07	0.63		
NC57	NT21	1.09	DN100	1.24706	0.00	0.15	Vel.< 0.3 m/s		NC98	NC99	14.99	DN100	5.18289	0.07	0.62		
NC58	NC59	51.60	DN100	5.67162	0.29	0.68			NC99	NT34	13.03	DN100	5.14789	0.06	0.62		

NC100	NC101	10.07	DN100	4.78070	0.04	0.57	
NC100	NT35	10.45	DN100	-4.79820	-0.04	-0.58	
NC101	NC102	15.08	DN100	4.74570	0.06	0.57	
NC103	NC104	15.24	DN100	4.67569	0.06	0.56	
NC105	NC106	14.82	DN100	2.10569	0.01	0.25	Vel.< 0.3 m/s
NC106	NT36	11.82	DN100	2.07069	0.01	0.25	Vel.< 0.3 m/s
NC107	NC108	15.01	DN100	4.21503	0.05	0.51	
NC107	NT37	12.94	DN100	-4.25003	-0.04	-0.51	
NC108	NC109	15.05	DN100	4.18003	0.05	0.50	
NC109	NC110	15.23	DN100	4.14503	0.05	0.50	
NC110	NC111	14.90	DN100	4.11003	0.05	0.49	
NC111	NC112	14.93	DN100	4.07503	0.05	0.49	
NC112	NC113	14.85	DN100	4.04003	0.05	0.48	
NC113	NC114	12.54	DN100	4.00503	0.04	0.48	
NC114	NT38	12.09	DN100	3.98753	0.04	0.48	
NC115	NC116	15.06	DN100	5.14486	0.07	0.62	
NC117	NC118	15.00	DN100	5.07486	0.07	0.61	
NC119	NC120	15.01	DN100	5.00486	0.07	0.60	
NC121	NC122	14.98	DN100	4.93486	0.07	0.59	
NC123	NC124	10.11	DN100	3.89949	0.03	0.47	
NC123	NT41	10.42	DN100	-3.91699	-0.03	-0.47	
NC124	NC125	15.08	DN100	3.86449	0.04	0.46	
NC126	NC127	14.82	DN100	3.79449	0.04	0.46	
NC128	NC129	14.91	DN100	3.72449	0.04	0.45	
NC129	NT42	11.79	DN100	3.68949	0.03	0.44	
NC130	NC131	15.12	DN100	3.70498	0.04	0.44	
NC130	NT43	13.07	DN100	-3.73998	-0.04	-0.45	
NC132	NC133	14.98	DN100	3.63498	0.04	0.44	
NC134	NC135	15.00	DN100	3.56498	0.04	0.43	
NC136	NC137	13.25	DN100	3.49498	0.03	0.42	
NC137	NT44	10.07	DN100	3.47748	0.02	0.42	
NC138	NC139	14.93	DN100	-2.99718	-0.03	-0.36	
NC138	NT45	8.36	DN100	2.96218	0.01	0.36	
NC139	NC140	15.08	DN100	-3.03218	-0.03	-0.36	
NC140	NC141	15.08	DN100	-3.06718	-0.03	-0.37	
NC141	NC142	14.90	DN100	-3.10218	-0.03	-0.37	
NC142	NC143	14.89	DN100	-3.13718	-0.03	-0.38	
NC143	NC144	15.11	DN100	-3.17218	-0.03	-0.38	
NC144	NC145	15.10	DN100	-3.20718	-0.03	-0.38	
NC145	NC146	15.15	DN100	-3.24218	-0.03	-0.39	
NC146	NT46	13.00	DN100	-3.27718	-0.03	-0.39	
NC147	NC148	11.73	DN100	0.91462	0.00	0.11	Vel.< 0.3 m/s
NC147	NT47	8.80	DN100	-0.93212	-0.00	-0.11	Vel.< 0.3 m/s
NC148	NC149	15.01	DN100	0.87962	0.00	0.11	Vel.< 0.3 m/s
NC149	NC150	14.96	DN100	0.84462	0.00	0.10	Vel.< 0.3 m/s
NC150	NC151	15.08	DN100	0.80962	0.00	0.10	Vel.< 0.3 m/s

NC151	NC152	15.11	DN100	0.77462	0.00	0.09	Vel.< 0.3 m/s
NC152	NC153	14.82	DN100	0.73962	0.00	0.09	Vel.< 0.3 m/s
NC153	NT48	11.83	DN100	0.70462	0.00	0.08	Vel.< 0.3 m/s
NC154	NC155	12.73	DN100	2.44962	0.02	0.29	Vel.< 0.3 m/s
NC154	NT49	7.71	DN100	-2.46712	-0.01	-0.30	Vel.< 0.3 m/s
NC155	NC156	14.81	DN100	2.41462	0.02	0.29	Vel.< 0.3 m/s
NC156	NC157	15.12	DN100	2.37962	0.02	0.29	Vel.< 0.3 m/s
NC157	NC158	14.98	DN100	2.34462	0.02	0.28	Vel.< 0.3 m/s
NC158	NC159	14.92	DN100	2.30962	0.02	0.28	Vel.< 0.3 m/s
NC159	NC160	15.11	DN100	2.27462	0.02	0.27	Vel.< 0.3 m/s
NC160	NC161	14.99	DN100	2.23962	0.02	0.27	Vel.< 0.3 m/s
NC161	NT50	15.50	DN100	2.20462	0.02	0.26	Vel.< 0.3 m/s
NC162	NC163	13.11	DN100	-2.11337	-0.01	-0.25	Vel.< 0.3 m/s
NC162	NT51	13.79	DN100	2.09587	0.01	0.25	Vel.< 0.3 m/s
NC164	NC165	15.15	DN100	-2.18337	-0.02	-0.26	Vel.< 0.3 m/s
NC166	NC167	14.86	DN100	-2.25337	-0.02	-0.27	Vel.< 0.3 m/s
NC168	NC169	15.00	DN100	-2.32337	-0.02	-0.28	Vel.< 0.3 m/s
NC170	NC171	14.72	DN100	-2.39337	-0.02	-0.29	Vel.< 0.3 m/s
NC172	NT52	11.43	DN100	5.70554	0.07	0.68	
NC172	NT60	66.00	DN100	-6.21554	-0.44	-0.75	
NC173	NC174	10.89	DN100	1.23077	0.00	0.15	Vel.< 0.3 m/s
NC173	NT53	9.66	DN100	-1.24827	-0.00	-0.15	Vel.< 0.3 m/s
NC174	NC175	15.17	DN100	1.19577	0.01	0.14	Vel.< 0.3 m/s
NC176	NC177	15.06	DN100	1.12577	0.00	0.14	Vel.< 0.3 m/s
NC178	NC179	14.94	DN100	1.05577	0.00	0.13	Vel.< 0.3 m/s
NC179	NT54	11.53	DN100	1.02077	0.00	0.12	Vel.< 0.3 m/s
NC180	NT54	10.13	DN100	6.72735	0.08	0.81	
NC180	NT64	67.07	DN100	-7.03935	-0.57	-0.84	
NC182	NC183	11.28	DN100	0.36621	0.00	0.04	Vel.< 0.3 m/s
NC182	NT55	9.25	DN100	-0.38371	-0.00	-0.05	Vel.< 0.3 m/s
NC184	NC185	14.99	DN100	0.29621	0.00	0.04	Vel.< 0.3 m/s
NC186	NC187	14.86	DN100	0.22621	0.00	0.03	Vel.< 0.3 m/s
NC188	NC189	14.99	DN100	0.15621	0.00	0.02	Vel.< 0.3 m/s
NC189	NT56	10.84	DN100	0.12121	0.00	0.01	Vel.< 0.3 m/s
NC190	NC191	29.77	DN100	-2.14263	-0.03	-0.26	Vel.< 0.3 m/s
NC191	NT60	27.49	DN100	-2.17763	-0.03	-0.26	Vel.< 0.3 m/s
NC192	NT61	12.22	DN100	-9.43912	-0.18	-1.13	
NC194	NC195	22.66	DN100	-6.60171	-0.17	-0.79	
NC194	NT59	34.25	DN100	6.56671	0.26	0.79	
NC195	NC196	15.01	DN100	-6.63671	-0.11	-0.80	
NC196	NC197	14.88	DN100	-6.67171	-0.11	-0.80	
NC197	NC198	15.08	DN100	-6.70671	-0.12	-0.80	
NC199	NC262	16.69	DN100	-11.17617	-0.33	-1.34	
NC199	NT60	29.17	DN100	11.14117	0.57	1.34	
NC200	NT61	12.58	DN100	9.28776	0.18	1.11	
NC201	NC202	14.89	DN100	-9.35776	-0.21	-1.12	

NC203	NT70	0.87	DN100	-9.68407	-0.01	-1.16		NC261	NT79	7.52	DN100	-5.26463	-0.04	-0.63	
NC204	NC205	17.32	DN100	-2.23133	-0.02	-0.27	Vel.< 0.3 m/s	NC262	NT69	2.12	DN100	-11.21118	-0.04	-1.35	
NC204	NT62	24.58	DN100	2.19633	0.03	0.26	Vel.< 0.3 m/s	NC263	NT58	3.32	DN100	-3.15706	-0.01	-0.38	
NC205	NC206	17.34	DN100	-2.26633	-0.02	-0.27	Vel.< 0.3 m/s	NT1	NT2	41.50	DN150	9.03307	0.08	0.49	
NC206	NC207	17.29	DN100	-2.30133	-0.02	-0.28	Vel.< 0.3 m/s	NT3	NT4	27.71	DN100	8.46072	0.33	1.02	
NC207	NT71	13.38	DN100	-2.33633	-0.02	-0.28	Vel.< 0.3 m/s	NT5	NT6	15.71	DN100	8.51977	0.19	1.02	
NC208	NC209	14.91	DN100	-1.53031	-0.01	-0.18	Vel.< 0.3 m/s	NT8	SG1	137.03	DN200	-73.67379	-3.12	-2.26	
NC208	NT63	12.76	DN100	1.49531	0.01	0.18	Vel.< 0.3 m/s	NT9	NT10	25.53	DN150	11.87201	0.08	0.64	
NC210	NC211	15.32	DN100	-1.60031	-0.01	-0.19	Vel.< 0.3 m/s	NT9	NT18	38.82	DN250	24.76880	0.04	0.49	
NC212	NC213	12.05	DN100	-1.67031	-0.01	-0.20	Vel.< 0.3 m/s	NT11	NT12	8.69	DN100	8.62165	0.11	1.03	
NC213	NT72	8.79	DN100	-1.68781	-0.01	-0.20	Vel.< 0.3 m/s	NT12	NT13	25.40	DN100	7.96435	0.27	0.96	
NC214	NC215	16.79	DN100	-2.12968	-0.02	-0.26	Vel.< 0.3 m/s	NT14	NT23	37.00	DN100	-3.51290	-0.09	-0.42	
NC214	NT64	22.86	DN100	2.09468	0.02	0.25	Vel.< 0.3 m/s	NT15	NT16	15.70	DN100	6.09966	0.10	0.73	
NC215	NC216	17.28	DN100	-2.16468	-0.02	-0.26	Vel.< 0.3 m/s	NT15	NT24	40.35	DN100	-5.32147	-0.21	-0.64	
NC216	NC217	16.70	DN100	-2.19968	-0.02	-0.26	Vel.< 0.3 m/s	NT16	NT25	40.35	DN100	-5.92235	-0.25	-0.71	
NC217	NC218	16.85	DN100	-2.23468	-0.02	-0.27	Vel.< 0.3 m/s	NT17	NT26	38.84	DN100	-9.21822	-0.54	-1.11	
NC218	NC219	16.58	DN100	-2.26968	-0.02	-0.27	Vel.< 0.3 m/s	NT22	NT23	11.33	DN100	9.60452	0.17	1.15	
NC219	NT73	8.66	DN100	-2.28718	-0.01	-0.27	Vel.< 0.3 m/s	NT24	NT25	15.70	DN100	4.47283	0.06	0.54	
NC220	NT65	12.78	DN100	1.79664	0.01	0.22	Vel.< 0.3 m/s	NT26	NT32	22.79	DN100	-6.44647	-0.16	-0.77	
NC221	NC222	14.79	DN100	-1.86664	-0.01	-0.22	Vel.< 0.3 m/s	NT27	NT33	15.31	DN100	2.88515	0.03	0.35	
NC223	NC224	15.10	DN100	-1.93664	-0.01	-0.23	Vel.< 0.3 m/s	NT27	NT97	25.95	DN150	-11.49327	-0.08	-0.62	
NC225	NC226	14.93	DN100	-2.00664	-0.01	-0.24	Vel.< 0.3 m/s	NT28	NT29	25.40	DN100	7.90868	0.27	0.95	
NC227	NT74	7.89	DN100	-2.07664	-0.01	-0.25	Vel.< 0.3 m/s	NT28	NT34	14.40	DN100	-6.73215	-0.11	-0.81	
NC228	NC229	16.18	DN100	-5.23616	-0.08	-0.63		NT29	NT35	14.40	DN100	-1.54715	-0.01	-0.19	Vel.< 0.3 m/s
NC228	NT66	13.53	DN100	5.21866	0.07	0.63		NT30	NT31	14.40	DN100	7.00484	0.12	0.84	
NC231	NC232	16.69	DN100	-5.34116	-0.09	-0.64		NT30	NT36	14.40	DN100	-8.90947	-0.19	-1.07	
NC233	NC234	16.63	DN100	-5.41116	-0.09	-0.65		NT31	NT37	14.40	DN100	-3.28843	-0.03	-0.39	
NC235	NC236	16.64	DN100	-5.48116	-0.09	-0.66		NT32	NT38	14.69	DN100	-2.57948	-0.02	-0.31	
NC237	NC238	14.96	DN100	-5.76492	-0.09	-0.69		NT34	NT40	49.00	DN100	-1.58426	-0.03	-0.19	Vel.< 0.3 m/s
NC237	NT67	12.82	DN100	5.72992	0.07	0.69		NT35	NT41	49.00	DN100	-6.34534	-0.34	-0.76	
NC238	NC239	14.97	DN100	-5.79992	-0.09	-0.70		NT36	NT42	49.00	DN100	-6.83877	-0.39	-0.82	
NC239	NC240	15.07	DN100	-5.83492	-0.09	-0.70		NT40	NT41	25.40	DN100	3.31560	0.06	0.40	
NC240	NC241	14.91	DN100	-5.86992	-0.09	-0.70		NT41	NT47	11.40	DN100	-6.94673	-0.09	-0.83	
NC241	NC242	14.82	DN100	-5.90492	-0.09	-0.71		NT42	NT43	14.40	DN80	5.30345	0.20	0.97	
NC242	NC243	15.02	DN100	-5.93992	-0.09	-0.71		NT42	NT48	11.40	DN80	-8.45273	-0.37	-1.54	
NC243	NC244	14.96	DN100	-5.97492	-0.09	-0.72		NT43	NT49	11.40	DN100	-5.97499	-0.07	-0.72	
NC244	NC245	14.96	DN100	-6.00992	-0.09	-0.72		NT44	NT50	11.42	DN100	-11.71449	-0.24	-1.41	
NC245	NC246	14.93	DN100	-6.04492	-0.10	-0.73		NT46	NT52	49.00	DN100	-3.27718	-0.10	-0.39	
NC246	NC247	15.15	DN100	-6.07992	-0.10	-0.73		NT48	NT54	49.00	DN100	-7.74811	-0.49	-0.93	
NC247	NC248	14.68	DN100	-6.11492	-0.10	-0.73		NT57	NT58	25.07	DN150	-5.53478	-0.02	-0.30	Vel.< 0.3 m/s
NC248	NT76	6.24	DN100	-6.14993	-0.04	-0.74		NT57	NT82	92.44	DN250	-34.97487	-0.18	-0.69	
NC249	NT68	21.13	DN100	4.80963	0.09	0.58		NT58	NT59	34.49	DN100	-8.69183	-0.43	-1.04	
NC253	NC254	16.59	DN100	-4.98463	-0.08	-0.60		NT60	NT61	25.91	DN100	2.74800	0.04	0.33	
NC255	NC256	16.31	DN100	-5.05463	-0.08	-0.61		NT62	NT63	9.49	DN100	4.79298	0.04	0.58	
NC257	NC258	16.39	DN100	-5.12463	-0.08	-0.62		NT64	NT65	14.53	DN80	1.34361	0.02	0.24	Vel.< 0.3 m/s
NC259	NC260	16.33	DN100	-5.19463	-0.08	-0.62		NT65	NT66	49.45	DN100	-6.02755	-0.32	-0.72	

NT66	NT67	9.42	DN100	-0.80889	-0.00	-0.10	Vel.< 0.3 m/s
NT67	NT68	53.79	DN100	4.92104	0.24	0.59	
NT69	NT81	11.78	DN100	-17.95288	-0.56	-2.15	
NT70	NT81	13.62	DN100	-19.07680	-0.72	-2.29	
NT71	NT72	9.20	DN100	7.31273	0.08	0.88	
NT75	NT80	5.95	DN100	-20.85507	-0.37	-2.50	Vel.máx.
NT76	NT80	5.95	DN100	-11.41455	-0.12	-1.37	
NT78	NT79	16.02	DN100	5.26463	0.08	0.63	
NT80	SG2	30.07	DN150	-32.26961	-0.59	-1.75	
NT81	SG3	38.53	DN150	-37.02967	-0.98	-2.00	
NT82	NT83	29.12	DN250	-34.97488	-0.06	-0.69	
NT83	NT84	34.65	DN250	-34.97488	-0.07	-0.69	
NT84	NT85	26.41	DN250	-34.97488	-0.05	-0.69	
NT85	NT86	185.68	DN250	-34.97486	-0.36	-0.69	
NT86	NT87	82.40	DN250	-34.97487	-0.16	-0.69	
NT87	NT89	23.72	DN250	-34.97489	-0.05	-0.69	
NT89	NT90	59.94	DN250	-34.97487	-0.12	-0.69	
NT90	NT91	88.50	DN250	-34.97487	-0.17	-0.69	
NT91	NT92	102.27	DN250	-34.97487	-0.20	-0.69	
NT92	NT93	39.08	DN250	-34.97488	-0.08	-0.69	
NT93	NT94	27.64	DN250	-34.97488	-0.05	-0.69	
NT94	SG4	16.46	DN250	-34.97489	-0.03	-0.69	

Combinaciones: H8+H13

Inicio	Final	Longitud m	Diámetros mm	Caudal l/s	Périd. m.c.a.	Velocidad m/s	Coment.
BR39	NC39	25.31	DN100	-4.16337	-0.08	-0.50	
BR39	NC40	20.66	DN100	4.16337	0.07	0.50	
BR48	NT21	7.01	DN100	-5.83136	-0.04	-0.70	
BR48	NT22	18.49	DN100	5.83136	0.11	0.70	
BR52	NC59	11.31	DN100	-3.62814	-0.03	-0.44	
BR52	NC60	9.90	DN100	3.62814	0.03	0.44	
BR64	NC104	12.64	DN100	-3.81838	-0.04	-0.46	
BR64	NC105	2.50	DN100	1.31838	0.00	0.16	Vel.< 0.3 m/s
BR65	NC102	12.59	DN100	-3.88838	-0.04	-0.47	
BR65	NC103	2.17	DN100	3.88838	0.01	0.47	
BR88	NC127	11.50	DN100	-3.32563	-0.03	-0.40	
BR88	NC128	3.49	DN100	3.32563	0.01	0.40	
BR89	NC125	11.53	DN100	-3.39563	-0.03	-0.41	
BR89	NC126	3.70	DN100	3.39563	0.01	0.41	
BR92	NC120	7.89	DN100	-4.05696	-0.02	-0.49	
BR92	NC121	7.07	DN100	4.05696	0.02	0.49	
BR93	NC118	8.00	DN100	-4.12696	-0.03	-0.50	
BR93	NC119	7.14	DN100	4.12696	0.02	0.50	
BR99	H9	21.39	DN100	-1.86207	-0.02	-0.22	Vel.< 0.3 m/s

BR99	NT51	6.66	DN100	1.86207	0.01	0.22	Vel.< 0.3 m/s
BR107	NC181	4.70	DN100	-8.89893	-0.06	-1.07	
BR107	NT55	6.01	DN100	8.89893	0.08	1.07	
BR115	NC169	2.77	DN100	2.48770	0.00	0.30	Vel.< 0.3 m/s
BR115	NC170	12.41	DN100	-2.48770	-0.02	-0.30	Vel.< 0.3 m/s
H1	NC1	9.98	DN100	8.04131	0.11	0.97	
H1	NT2	10.61	DN100	-8.04131	-0.11	-0.97	
H2	NC8	18.03	DN100	-3.49023	-0.04	-0.42	
H2	NT5	5.47	DN100	3.49023	0.01	0.42	
H3	NC13	5.44	DN100	0.24852	0.00	0.03	Vel.< 0.3 m/s
H3	NT7	3.12	DN100	-0.24852	-0.00	-0.03	Vel.< 0.3 m/s
H4	NC62	31.11	DN250	16.66315	0.02	0.33	
H4	NT18	7.10	DN250	-16.66315	-0.00	-0.33	
H5	N11	28.66	DN100	-0.85687	-0.01	-0.10	Vel.< 0.3 m/s
H5	N12	2.54	DN100	0.85687	0.00	0.10	Vel.< 0.3 m/s
H6	NC77	7.27	DN100	2.31300	0.01	0.28	Vel.< 0.3 m/s
H6	NC78	15.27	DN100	-2.31299	-0.02	-0.28	Vel.< 0.3 m/s
H7	N10	13.86	DN100	3.37009	0.03	0.40	
H7	NT31	15.24	DN100	-3.37009	-0.03	-0.40	
H8	N23	27.84	DN100	-5.20604	-0.14	-0.62	
H8	N24	2.91	DN100	-11.39397	-0.06	-1.37	
H9	N71	8.63	DN100	-1.86207	-0.01	-0.22	Vel.< 0.3 m/s
H10	N82	6.56	DN100	8.37371	0.08	1.00	
H10	NC192	15.26	DN100	-8.37371	-0.18	-1.00	
H11	N38	25.00	DN100	9.24092	0.35	1.11	
H11	N39	5.06	DN100	-9.24093	-0.07	-1.11	
H12	NC198	7.06	DN100	6.35590	0.05	0.76	
H12	NT69	34.08	DN100	-6.35590	-0.24	-0.76	
H13	NC250	6.92	DN100	-8.59572	-0.08	-1.03	
H13	NC251	9.77	DN100	-8.00429	-0.10	-0.96	
H14	N53	22.21	DN100	-7.52532	-0.21	-0.90	
H14	N58	8.16	DN100	7.52532	0.08	0.90	
N1	NC23	28.40	DN100	1.63710	0.02	0.20	Vel.< 0.3 m/s
N1	NC24	15.62	DN100	-1.63710	-0.01	-0.20	Vel.< 0.3 m/s
N2	NC21	11.08	DN100	1.07710	0.00	0.13	Vel.< 0.3 m/s
N2	NC22	24.47	DN100	-1.07710	-0.01	-0.13	Vel.< 0.3 m/s
N3	NC33	21.20	DN100	0.41461	0.00	0.05	Vel.< 0.3 m/s
N3	NC34	12.38	DN100	-0.41461	-0.00	-0.05	Vel.< 0.3 m/s
N4	NC35	8.76	DN100	1.74461	0.01	0.21	Vel.< 0.3 m/s
N4	NC36	18.71	DN100	-1.74461	-0.01	-0.21	Vel.< 0.3 m/s
N5	NC37	25.14	DN100	3.74215	0.07	0.45	
N5	NT13	6.22	DN100	-3.74216	-0.02	-0.45	
N6	NC9	49.73	DN100	-2.71603	-0.08	-0.33	
N6	NC10	4.11	DN100	2.71603	0.01	0.33	
N7	N8	30.01	DN100	-0.57398	-0.00	-0.07	Vel.< 0.3 m/s
N7	NC13	4.29	DN100	0.57398	0.00	0.07	Vel.< 0.3 m/s

N8	NC14	3.43	DN100	-0.57398	-0.00	-0.07	Vel.< 0.3 m/s	N35	NT56	11.57	DN100	2.52781	0.02	0.30	
N9	NC16	9.67	DN100	3.04148	0.02	0.37		N36	NC193	24.37	DN100	-2.52781	-0.03	-0.30	
N9	NT17	9.23	DN100	-3.04148	-0.02	-0.37		N37	NC193	5.64	DN100	2.86981	0.01	0.34	
N10	NC82	3.91	DN100	3.37009	0.01	0.40		N37	NT68	6.64	DN100	-2.86981	-0.01	-0.34	
N11	NC71	1.66	DN100	-0.85687	-0.00	-0.10	Vel.< 0.3 m/s	N38	NC181	25.31	DN100	9.24092	0.35	1.11	
N12	NC70	28.65	DN100	0.85687	0.01	0.10	Vel.< 0.3 m/s	N39	NT65	11.16	DN100	-9.24092	-0.15	-1.11	
N13	NC69	9.68	DN100	0.27937	0.00	0.03	Vel.< 0.3 m/s	N40	NC249	4.28	DN100	-8.63072	-0.05	-1.04	
N13	NC70	1.36	DN100	-0.27937	-0.00	-0.03	Vel.< 0.3 m/s	N40	NC250	12.31	DN100	8.63072	0.15	1.04	
N14	N15	30.01	DN100	-0.29813	-0.00	-0.04	Vel.< 0.3 m/s	N41	NC251	1.65	DN100	8.03930	0.02	0.96	
N14	NC69	20.34	DN100	0.29813	0.00	0.04	Vel.< 0.3 m/s	N41	NC252	14.84	DN100	-8.03929	-0.16	-0.96	
N15	NC68	19.49	DN100	-0.29813	-0.00	-0.04	Vel.< 0.3 m/s	N42	NC252	14.62	DN100	8.07429	0.16	0.97	
N16	NT20	13.46	DN100	-5.12815	-0.06	-0.62		N42	NC253	1.62	DN100	-8.07430	-0.02	-0.97	
N16	NT21	26.25	DN100	5.12815	0.12	0.62		N43	NC254	11.88	DN100	8.14429	0.13	0.98	
N17	NT18	4.50	DN100	-8.31379	-0.05	-1.00		N43	NC255	4.37	DN100	-8.14429	-0.05	-0.98	
N17	NT19	20.61	DN150	8.31378	0.03	0.45		N44	NC256	9.37	DN100	8.21429	0.10	0.99	
N18	N19	30.00	DN100	-2.63939	-0.04	-0.32		N44	NC257	6.85	DN100	-8.21429	-0.08	-0.99	
N18	NT33	1.22	DN100	2.63939	0.00	0.32		N45	NC258	6.77	DN100	8.28429	0.08	0.99	
N19	NT39	21.29	DN100	-2.63939	-0.03	-0.32		N45	NC259	9.53	DN100	-8.28429	-0.11	-0.99	
N20	NC115	7.00	DN100	4.26696	0.02	0.51		N46	NC260	4.16	DN100	8.35429	0.05	1.00	
N20	NT39	12.08	DN100	-4.26696	-0.04	-0.51		N46	NC261	20.56	DN100	-8.35429	-0.24	-1.00	
N21	NC116	7.97	DN100	-4.19696	-0.03	-0.50		N47	NT76	9.30	DN100	-8.38929	-0.11	-1.01	
N21	NC117	7.11	DN100	4.19696	0.02	0.50		N47	NT78	34.62	DN100	8.38929	0.40	1.01	
N22	NC122	7.96	DN100	-3.98696	-0.02	-0.48		N48	NC229	1.91	DN100	5.95067	0.01	0.71	
N22	NT40	5.05	DN100	3.98696	0.02	0.48		N48	NC230	14.38	DN100	-5.95066	-0.09	-0.71	
N23	NT38	4.65	DN100	-5.20604	-0.02	-0.62		N49	NC230	14.58	DN100	5.98566	0.09	0.72	
N24	NT44	13.63	DN100	-11.39396	-0.28	-1.37		N49	NC231	2.43	DN100	-5.98566	-0.02	-0.72	
N25	NC135	8.58	DN100	-3.40500	-0.02	-0.41		N50	NC232	11.20	DN100	6.05566	0.07	0.73	
N25	NC136	6.36	DN100	3.40500	0.01	0.41		N50	NC233	5.43	DN100	-6.05566	-0.03	-0.73	
N26	NC133	8.63	DN100	-3.47500	-0.02	-0.42		N51	NC234	7.91	DN100	6.12566	0.05	0.74	
N26	NC134	6.43	DN100	3.47500	0.02	0.42		N51	NC235	8.78	DN100	-6.12566	-0.06	-0.74	
N27	NC131	8.59	DN100	-3.54500	-0.02	-0.43		N52	NC236	4.59	DN100	6.19566	0.03	0.74	
N27	NC132	6.40	DN100	3.54500	0.02	0.43		N52	NT75	20.73	DN100	-6.19566	-0.14	-0.74	
N28	NT37	22.80	DN100	4.82426	0.10	0.58		N53	NT75	9.20	DN100	-7.52532	-0.09	-0.90	
N28	NT43	26.20	DN100	-4.82425	-0.11	-0.58		N54	NC220	6.39	DN100	4.94972	0.03	0.59	
N29	N30	26.90	DN100	-5.41822	-0.14	-0.65		N54	NC221	8.67	DN100	-4.94972	-0.04	-0.59	
N29	NT50	4.00	DN100	5.41822	0.02	0.65		N55	NC222	6.58	DN100	5.01972	0.03	0.60	
N30	NT56	18.31	DN100	-5.41822	-0.10	-0.65		N55	NC223	8.41	DN100	-5.01972	-0.04	-0.60	
N31	NT49	24.01	DN100	5.74602	0.14	0.69		N56	NC224	6.55	DN100	5.08972	0.03	0.61	
N31	NT55	25.00	DN100	-5.74602	-0.15	-0.69		N56	NC225	8.35	DN100	-5.08972	-0.04	-0.61	
N32	NC183	11.20	DN100	-3.10041	-0.02	-0.37		N57	NC226	6.86	DN100	5.15972	0.03	0.62	
N32	NC184	3.84	DN100	3.10041	0.01	0.37		N57	NC227	8.07	DN100	-5.15972	-0.04	-0.62	
N33	NC185	11.17	DN100	-3.03041	-0.02	-0.36		N58	NT74	15.12	DN100	7.52532	0.14	0.90	
N33	NC186	3.89	DN100	3.03041	0.01	0.36		N59	NT73	1.43	DN100	2.33060	0.00	0.28	Vel.< 0.3 m/s
N34	NC187	11.27	DN100	-2.96041	-0.02	-0.36		N59	NT74	13.44	DN100	-2.33060	-0.02	-0.28	Vel.< 0.3 m/s
N34	NC188	3.84	DN100	2.96041	0.01	0.36		N60	NC211	5.54	DN100	2.69713	0.01	0.32	
N35	N36	29.97	DN100	-2.52781	-0.04	-0.30		N60	NC212	9.39	DN100	-2.69713	-0.01	-0.32	

N61	NT72	20.58	DN100	-2.23555	-0.02	-0.27	Vel.< 0.3 m/s
N61	NT73	28.62	DN100	2.23555	0.03	0.27	Vel.< 0.3 m/s
N62	NC209	5.13	DN100	2.62713	0.01	0.32	
N62	NC210	9.54	DN100	-2.62713	-0.01	-0.32	
N63	N64	30.01	DN100	6.33098	0.21	0.76	
N63	NT63	14.40	DN100	-6.33098	-0.10	-0.76	
N64	NT64	5.16	DN100	6.33098	0.04	0.76	
N65	NC203	26.65	DN100	-7.94565	-0.28	-0.95	
N65	NT71	24.96	DN100	7.94565	0.26	0.95	
N66	NT61	31.89	DN100	-0.95338	-0.01	-0.11	Vel.< 0.3 m/s
N66	NT62	18.12	DN100	0.95338	0.00	0.11	Vel.< 0.3 m/s
N67	NC200	13.49	DN100	8.52036	0.16	1.02	
N67	NC201	1.64	DN100	-8.52037	-0.02	-1.02	
N68	NC202	13.51	DN100	8.59036	0.16	1.03	
N68	NT70	1.58	DN100	-8.59037	-0.02	-1.03	
N69	N70	28.09	DN100	2.56934	0.04	0.31	
N69	NC190	58.73	DN100	-2.56934	-0.08	-0.31	
N70	NT59	7.59	DN100	2.56934	0.01	0.31	
N71	N72	30.00	DN100	-1.86207	-0.02	-0.22	Vel.< 0.3 m/s
N72	NC263	2.39	DN100	-1.86207	-0.00	-0.22	Vel.< 0.3 m/s
N73	NT45	26.53	DN100	4.08726	0.08	0.49	
N73	NT51	23.37	DN100	-4.08726	-0.07	-0.49	
N74	NT39	8.73	DN100	6.90634	0.07	0.83	
N74	NT45	3.49	DN100	-6.90635	-0.03	-0.83	
N75	NC163	2.74	DN100	2.27770	0.00	0.27	Vel.< 0.3 m/s
N75	NC164	12.08	DN100	-2.27770	-0.01	-0.27	Vel.< 0.3 m/s
N76	NC165	2.78	DN100	2.34770	0.00	0.28	Vel.< 0.3 m/s
N76	NC166	12.20	DN100	-2.34770	-0.01	-0.28	Vel.< 0.3 m/s
N77	NC167	2.95	DN100	2.41770	0.00	0.29	Vel.< 0.3 m/s
N77	NC168	12.23	DN100	-2.41770	-0.02	-0.29	Vel.< 0.3 m/s
N78	NC171	2.95	DN100	2.55770	0.00	0.31	
N78	NT52	10.07	DN100	-2.55770	-0.01	-0.31	
N79	N80	26.94	DN100	-7.22866	-0.24	-0.87	
N79	NT47	5.52	DN100	7.22866	0.05	0.87	
N80	NT53	16.54	DN100	-7.22866	-0.15	-0.87	
N81	N82	30.00	DN100	-8.37371	-0.35	-1.00	
N81	NT53	13.46	DN100	8.37371	0.16	1.00	
N83	NC177	6.22	DN100	-0.98755	-0.00	-0.12	Vel.< 0.3 m/s
N83	NC178	8.76	DN100	0.98755	0.00	0.12	Vel.< 0.3 m/s
N84	NC175	6.37	DN100	-1.05755	-0.00	-0.13	Vel.< 0.3 m/s
N84	NC176	8.73	DN100	1.05755	0.00	0.13	Vel.< 0.3 m/s
N85	NC19	21.43	DN250	-7.24422	-0.00	-0.14	Vel.< 0.3 m/s
N85	NT1	6.90	DN250	7.24422	0.00	0.14	Vel.< 0.3 m/s
N86	NC11	16.46	DN100	-1.07103	-0.00	-0.13	Vel.< 0.3 m/s
N86	NC12	43.73	DN100	1.07103	0.01	0.13	Vel.< 0.3 m/s
NC1	NC2	6.20	DN100	7.76131	0.06	0.93	

NC2	NC3	20.17	DN100	7.48131	0.19	0.90	
NC3	NC4	10.34	DN100	7.20131	0.09	0.86	
NC4	NT3	8.89	DN100	6.92131	0.07	0.83	
NC5	NC6	19.26	DN100	5.48523	0.10	0.66	
NC5	NT4	15.87	DN100	-6.15023	-0.10	-0.74	
NC6	NC7	32.83	DN100	4.82023	0.14	0.58	
NC7	NC8	25.40	DN100	4.15523	0.08	0.50	
NC9	NT6	10.76	DN100	-3.53853	-0.03	-0.42	
NC10	NC11	9.44	DN100	1.89353	0.01	0.23	Vel.< 0.3 m/s
NC12	NT7	6.17	DN100	0.24852	0.00	0.03	Vel.< 0.3 m/s
NC14	NC15	8.39	DN100	-1.39648	-0.00	-0.17	Vel.< 0.3 m/s
NC15	NC16	38.52	DN100	-2.21898	-0.04	-0.27	Vel.< 0.3 m/s
NC17	NC18	37.56	DN200	63.00931	0.64	1.94	
NC17	NT8	24.61	DN200	-70.00932	-0.51	-2.15	Vel.máx.
NC18	NT9	33.27	DN200	56.00931	0.45	1.72	
NC19	NC20	63.32	DN250	-14.24422	-0.02	-0.28	Vel.< 0.3 m/s
NC20	NT9	27.10	DN250	-21.24423	-0.02	-0.42	
NC21	NT2	13.61	DN100	0.79710	0.00	0.10	Vel.< 0.3 m/s
NC22	NC23	5.80	DN100	-1.35710	-0.00	-0.16	Vel.< 0.3 m/s
NC24	NT10	3.68	DN100	-1.91710	-0.00	-0.23	Vel.< 0.3 m/s
NC25	NC26	32.29	DN100	7.59108	0.31	0.91	
NC25	NT10	3.97	DN100	-7.87109	-0.04	-0.94	
NC26	NC27	5.43	DN100	7.31108	0.05	0.88	
NC27	NC28	19.92	DN100	7.03108	0.17	0.84	
NC28	NT11	5.69	DN100	6.75108	0.04	0.81	
NC29	NC30	39.03	DN100	0.24069	0.00	0.03	Vel.< 0.3 m/s
NC29	NT3	8.30	DN100	-0.52069	-0.00	-0.06	Vel.< 0.3 m/s
NC30	NC31	9.30	DN100	-0.03931	-0.00	-0.00	Vel.< 0.3 m/s
NC31	NC32	34.11	DN100	-0.31931	-0.00	-0.04	Vel.< 0.3 m/s
NC32	NT12	9.59	DN100	-0.59931	-0.00	-0.07	Vel.< 0.3 m/s
NC33	NT4	14.20	DN100	-0.25039	-0.00	-0.03	Vel.< 0.3 m/s
NC34	NC35	8.91	DN100	-1.07961	-0.00	-0.13	Vel.< 0.3 m/s
NC36	NT13	5.11	DN100	-2.40961	-0.01	-0.29	Vel.< 0.3 m/s
NC37	NT14	7.31	DN100	3.07716	0.01	0.37	
NC38	NC39	6.39	DN100	4.82837	0.03	0.58	
NC38	NT14	28.10	DN100	-5.49337	-0.15	-0.66	
NC40	NT15	8.98	DN100	3.49837	0.02	0.42	
NC41	NC42	40.07	DN100	-0.84615	-0.01	-0.10	Vel.< 0.3 m/s
NC41	NT5	8.82	DN100	0.18115	0.00	0.02	Vel.< 0.3 m/s
NC42	NC43	8.40	DN100	-1.51115	-0.00	-0.18	Vel.< 0.3 m/s
NC43	NC44	38.81	DN100	-2.17615	-0.04	-0.26	Vel.< 0.3 m/s
NC44	NT15	9.18	DN100	-2.84115	-0.02	-0.34	
NC45	NC46	39.50	DN100	-0.68965	-0.01	-0.08	Vel.< 0.3 m/s
NC45	NT6	11.19	DN100	-0.13285	-0.00	-0.02	Vel.< 0.3 m/s
NC46	NC47	7.20	DN100	-1.51215	-0.00	-0.18	Vel.< 0.3 m/s
NC47	NC48	40.77	DN100	-2.33465	-0.05	-0.28	Vel.< 0.3 m/s

NC48	NT16	6.61	DN100	-3.15715	-0.01	-0.38		NC88	NC89	22.60	DN100	4.01663	0.07	0.48	
NC49	NC50	50.40	DN100	2.63416	0.07	0.32		NC89	NC90	13.93	DN100	3.59663	0.04	0.43	
NC49	NT16	9.65	DN100	-3.45666	-0.02	-0.41		NC90	NT30	25.41	DN100	3.17663	0.05	0.38	
NC50	NC51	17.19	DN100	1.81166	0.01	0.22	Vel.< 0.3 m/s	NC91	NT31	23.26	DN100	-3.67279	-0.06	-0.44	
NC51	NC52	45.91	DN100	0.98916	0.01	0.12	Vel.< 0.3 m/s	NC91	NT32	107.19	DN100	2.93779	0.19	0.35	
NC52	NT17	6.56	DN100	0.16665	0.00	0.02	Vel.< 0.3 m/s	NC92	NC93	10.54	DN100	4.34126	0.04	0.52	
NC53	NC54	24.62	DN100	6.86065	0.20	0.82		NC92	NT33	4.91	DN100	-4.35876	-0.02	-0.52	
NC53	NT19	5.16	DN100	-7.43815	-0.05	-0.89		NC93	NC94	14.91	DN100	4.30626	0.05	0.52	
NC54	NC55	3.62	DN100	6.28315	0.02	0.75		NC94	NC95	14.90	DN100	4.27126	0.05	0.51	
NC55	NC56	21.34	DN100	5.70565	0.12	0.68		NC95	NC96	15.09	DN100	4.23626	0.05	0.51	
NC56	NT20	1.26	DN100	5.12816	0.01	0.62		NC96	NC97	15.08	DN100	4.20126	0.05	0.50	
NC57	NC72	31.20	DN100	-1.28071	-0.01	-0.15	Vel.< 0.3 m/s	NC97	NC98	15.10	DN100	4.16626	0.05	0.50	
NC57	NT21	1.09	DN100	0.70321	0.00	0.08	Vel.< 0.3 m/s	NC98	NC99	14.99	DN100	4.13126	0.05	0.50	
NC58	NC59	51.60	DN100	4.04814	0.16	0.49		NC99	NT34	13.03	DN100	4.09626	0.04	0.49	
NC58	NT23	27.48	DN100	-4.46814	-0.10	-0.54		NC100	NC101	10.07	DN100	3.95838	0.03	0.48	
NC60	NT24	5.22	DN100	3.20814	0.01	0.39		NC100	NT35	10.45	DN100	-3.97588	-0.03	-0.48	
NC61	NT25	28.29	DN100	-2.74405	-0.04	-0.33		NC101	NC102	15.08	DN100	3.92338	0.04	0.47	
NC61	NT26	97.13	DN100	2.00905	0.09	0.24	Vel.< 0.3 m/s	NC103	NC104	15.24	DN100	3.85338	0.04	0.46	
NC62	NC63	80.65	DN250	6.66313	0.01	0.13	Vel.< 0.3 m/s	NC105	NC106	14.82	DN100	1.28338	0.01	0.15	Vel.< 0.3 m/s
NC63	NC64	49.85	DN250	-3.33688	-0.00	-0.07	Vel.< 0.3 m/s	NC106	NT36	11.82	DN100	1.24838	0.00	0.15	Vel.< 0.3 m/s
NC64	NT97	9.70	DN250	-13.33688	-0.00	-0.26	Vel.< 0.3 m/s	NC107	NC108	15.01	DN100	3.36153	0.03	0.40	
NC65	NC66	89.95	DN250	-29.32740	-0.13	-0.58		NC107	NT37	12.94	DN100	-3.39653	-0.03	-0.41	
NC65	NT97	42.30	DN250	22.32741	0.04	0.44		NC108	NC109	15.05	DN100	3.32653	0.03	0.40	
NC66	NC67	19.78	DN250	-36.32742	-0.04	-0.72		NC109	NC110	15.23	DN100	3.29153	0.03	0.40	
NC67	NT57	47.42	DN250	-36.47741	-0.10	-0.72		NC110	NC111	14.90	DN100	3.25653	0.03	0.39	
NC68	NT19	13.65	DN100	-0.87563	-0.00	-0.11	Vel.< 0.3 m/s	NC111	NC112	14.93	DN100	3.22153	0.03	0.39	
NC71	NT27	11.88	DN100	-1.43437	-0.01	-0.17	Vel.< 0.3 m/s	NC112	NC113	14.85	DN100	3.18653	0.03	0.38	
NC72	NC73	14.24	DN100	-1.85821	-0.01	-0.22	Vel.< 0.3 m/s	NC113	NC114	12.54	DN100	3.15153	0.02	0.38	
NC73	NC74	52.76	DN100	-2.43571	-0.07	-0.29	Vel.< 0.3 m/s	NC114	NT38	12.09	DN100	3.13403	0.02	0.38	
NC74	NT28	11.65	DN100	-3.01321	-0.02	-0.36		NC115	NC116	15.06	DN100	4.23196	0.05	0.51	
NC75	NC76	24.83	DN100	-1.47299	-0.01	-0.18	Vel.< 0.3 m/s	NC117	NC118	15.00	DN100	4.16196	0.05	0.50	
NC75	NT22	10.93	DN100	1.05299	0.00	0.13	Vel.< 0.3 m/s	NC119	NC120	15.01	DN100	4.09196	0.05	0.49	
NC76	NC77	41.44	DN100	-1.89299	-0.03	-0.23	Vel.< 0.3 m/s	NC121	NC122	14.98	DN100	4.02196	0.05	0.48	
NC78	NT29	11.09	DN100	-2.73300	-0.02	-0.33		NC123	NC124	10.11	DN100	3.46563	0.02	0.42	
NC79	NC80	35.36	DN100	-3.27741	-0.08	-0.39		NC123	NT41	10.42	DN100	-3.48313	-0.02	-0.42	
NC79	NT24	9.36	DN100	2.85741	0.02	0.34		NC124	NC125	15.08	DN100	3.43063	0.03	0.41	
NC80	NC81	17.42	DN100	-3.69741	-0.05	-0.44		NC126	NC127	14.82	DN100	3.36063	0.03	0.40	
NC81	NT30	10.90	DN100	-4.11741	-0.03	-0.49		NC128	NC129	14.91	DN100	3.29063	0.03	0.39	
NC82	NT25	33.75	DN100	2.63508	0.05	0.32		NC129	NT42	11.79	DN100	3.25563	0.02	0.39	
NC83	NC84	42.61	DN100	5.25928	0.21	0.63		NC130	NC131	15.12	DN100	3.58000	0.04	0.43	
NC83	NT27	17.88	DN100	-5.83679	-0.11	-0.70		NC130	NT43	13.07	DN100	-3.61500	-0.03	-0.43	
NC84	NC85	10.37	DN100	4.68179	0.04	0.56		NC132	NC133	14.98	DN100	3.51000	0.04	0.42	
NC85	NC86	35.23	DN100	4.10428	0.11	0.49		NC134	NC135	15.00	DN100	3.44000	0.03	0.41	
NC86	NT28	7.25	DN100	3.52679	0.02	0.42		NC136	NC137	13.25	DN100	3.37000	0.03	0.40	
NC87	NC88	18.57	DN100	4.43663	0.07	0.53		NC137	NT44	10.07	DN100	3.35250	0.02	0.40	
NC87	NT29	26.86	DN100	-4.85663	-0.12	-0.58		NC138	NC139	14.93	DN100	-2.85408	-0.02	-0.34	

NC138	NT45	8.36	DN100	2.81908	0.01	0.34	
NC139	NC140	15.08	DN100	-2.88908	-0.03	-0.35	
NC140	NC141	15.08	DN100	-2.92408	-0.03	-0.35	
NC141	NC142	14.90	DN100	-2.95908	-0.03	-0.36	
NC142	NC143	14.89	DN100	-2.99408	-0.03	-0.36	
NC143	NC144	15.11	DN100	-3.02908	-0.03	-0.36	
NC144	NC145	15.10	DN100	-3.06408	-0.03	-0.37	
NC145	NC146	15.15	DN100	-3.09908	-0.03	-0.37	
NC146	NT46	13.00	DN100	-3.13408	-0.03	-0.38	
NC147	NC148	11.73	DN100	0.75932	0.00	0.09	Vel.< 0.3 m/s
NC147	NT47	8.80	DN100	-0.77682	-0.00	-0.09	Vel.< 0.3 m/s
NC148	NC149	15.01	DN100	0.72432	0.00	0.09	Vel.< 0.3 m/s
NC149	NC150	14.96	DN100	0.68932	0.00	0.08	Vel.< 0.3 m/s
NC150	NC151	15.08	DN100	0.65432	0.00	0.08	Vel.< 0.3 m/s
NC151	NC152	15.11	DN100	0.61932	0.00	0.07	Vel.< 0.3 m/s
NC152	NC153	14.82	DN100	0.58432	0.00	0.07	Vel.< 0.3 m/s
NC153	NT48	11.83	DN100	0.54932	0.00	0.07	Vel.< 0.3 m/s
NC154	NC155	12.73	DN100	2.86824	0.02	0.34	
NC154	NT49	7.71	DN100	-2.88575	-0.01	-0.35	
NC155	NC156	14.81	DN100	2.83324	0.02	0.34	
NC156	NC157	15.12	DN100	2.79824	0.02	0.34	
NC157	NC158	14.98	DN100	2.76324	0.02	0.33	
NC158	NC159	14.92	DN100	2.72824	0.02	0.33	
NC159	NC160	15.11	DN100	2.69324	0.02	0.32	
NC160	NC161	14.99	DN100	2.65824	0.02	0.32	
NC161	NT50	15.50	DN100	2.62324	0.02	0.31	
NC162	NC163	13.11	DN100	-2.24270	-0.01	-0.27	Vel.< 0.3 m/s
NC162	NT51	13.79	DN100	2.22520	0.01	0.27	Vel.< 0.3 m/s
NC164	NC165	15.15	DN100	-2.31270	-0.02	-0.28	Vel.< 0.3 m/s
NC166	NC167	14.86	DN100	-2.38270	-0.02	-0.29	Vel.< 0.3 m/s
NC168	NC169	15.00	DN100	-2.45270	-0.02	-0.29	Vel.< 0.3 m/s
NC170	NC171	14.72	DN100	-2.52270	-0.02	-0.30	
NC172	NT52	11.43	DN100	5.69178	0.07	0.68	
NC172	NT60	66.00	DN100	-6.20178	-0.44	-0.74	
NC173	NC174	10.89	DN100	1.12755	0.00	0.14	Vel.< 0.3 m/s
NC173	NT53	9.66	DN100	-1.14505	-0.00	-0.14	Vel.< 0.3 m/s
NC174	NC175	15.17	DN100	1.09255	0.00	0.13	Vel.< 0.3 m/s
NC176	NC177	15.06	DN100	1.02255	0.00	0.12	Vel.< 0.3 m/s
NC178	NC179	14.94	DN100	0.95255	0.00	0.11	Vel.< 0.3 m/s
NC179	NT54	11.53	DN100	0.91755	0.00	0.11	Vel.< 0.3 m/s
NC180	NT54	10.13	DN100	6.16404	0.07	0.74	
NC180	NT64	67.07	DN100	-6.47603	-0.49	-0.78	
NC182	NC183	11.28	DN100	3.13541	0.02	0.38	
NC182	NT55	9.25	DN100	-3.15291	-0.02	-0.38	
NC184	NC185	14.99	DN100	3.06541	0.03	0.37	
NC186	NC187	14.86	DN100	2.99541	0.03	0.36	

NC188	NC189	14.99	DN100	2.92541	0.03	0.35	
NC189	NT56	10.84	DN100	2.89041	0.02	0.35	
NC190	NC191	29.77	DN100	-2.58684	-0.04	-0.31	
NC191	NT60	27.49	DN100	-2.62184	-0.04	-0.31	
NC192	NT61	12.22	DN100	-8.68571	-0.15	-1.04	
NC194	NC195	22.66	DN100	-6.21590	-0.15	-0.75	
NC194	NT59	34.25	DN100	6.18090	0.23	0.74	
NC195	NC196	15.01	DN100	-6.25090	-0.10	-0.75	
NC196	NC197	14.88	DN100	-6.28590	-0.10	-0.75	
NC197	NC198	15.08	DN100	-6.32090	-0.10	-0.76	
NC199	NC262	16.69	DN100	-10.01235	-0.27	-1.20	
NC199	NT60	29.17	DN100	9.97735	0.47	1.20	
NC200	NT61	12.58	DN100	8.48536	0.15	1.02	
NC201	NC202	14.89	DN100	-8.55536	-0.18	-1.03	
NC203	NT70	0.87	DN100	-7.98066	-0.01	-0.96	
NC204	NC205	17.32	DN100	-2.85547	-0.03	-0.34	
NC204	NT62	24.58	DN100	2.82047	0.04	0.34	
NC205	NC206	17.34	DN100	-2.89047	-0.03	-0.35	
NC206	NC207	17.29	DN100	-2.92547	-0.03	-0.35	
NC207	NT71	13.38	DN100	-2.96047	-0.02	-0.36	
NC208	NC209	14.91	DN100	-2.59213	-0.02	-0.31	
NC208	NT63	12.76	DN100	2.55713	0.02	0.31	
NC210	NC211	15.32	DN100	-2.66213	-0.02	-0.32	
NC212	NC213	12.05	DN100	-2.73213	-0.02	-0.33	
NC213	NT72	8.79	DN100	-2.74963	-0.01	-0.33	
NC214	NC215	16.79	DN100	-4.40865	-0.06	-0.53	
NC214	NT64	22.86	DN100	4.37365	0.08	0.52	
NC215	NC216	17.28	DN100	-4.44365	-0.06	-0.53	
NC216	NC217	16.70	DN100	-4.47865	-0.06	-0.54	
NC217	NC218	16.85	DN100	-4.51365	-0.06	-0.54	
NC218	NC219	16.58	DN100	-4.54865	-0.06	-0.55	
NC219	NT73	8.66	DN100	-4.56615	-0.03	-0.55	
NC220	NT65	12.78	DN100	4.91472	0.06	0.59	
NC221	NC222	14.79	DN100	-4.98472	-0.07	-0.60	
NC223	NC224	15.10	DN100	-5.05472	-0.07	-0.61	
NC225	NC226	14.93	DN100	-5.12472	-0.07	-0.62	
NC227	NT74	7.89	DN100	-5.19472	-0.04	-0.62	
NC228	NC229	16.18	DN100	-5.91566	-0.10	-0.71	
NC228	NT66	13.53	DN100	5.89816	0.08	0.71	
NC231	NC232	16.69	DN100	-6.02066	-0.11	-0.72	
NC233	NC234	16.63	DN100	-6.09066	-0.11	-0.73	
NC235	NC236	16.64	DN100	-6.16066	-0.11	-0.74	
NC237	NC238	14.96	DN100	-5.76998	-0.09	-0.69	
NC237	NT67	12.82	DN100	5.73498	0.07	0.69	
NC238	NC239	14.97	DN100	-5.80498	-0.09	-0.70	
NC239	NC240	15.07	DN100	-5.83998	-0.09	-0.70	

NC240	NC241	14.91	DN100	-5.87498	-0.09	-0.71	Vel.< 0.3 m/s
NC241	NC242	14.82	DN100	-5.90998	-0.09	-0.71	
NC242	NC243	15.02	DN100	-5.94498	-0.09	-0.71	
NC243	NC244	14.96	DN100	-5.97998	-0.09	-0.72	
NC244	NC245	14.96	DN100	-6.01498	-0.10	-0.72	
NC245	NC246	14.93	DN100	-6.04998	-0.10	-0.73	
NC246	NC247	15.15	DN100	-6.08498	-0.10	-0.73	
NC247	NC248	14.68	DN100	-6.11998	-0.10	-0.73	
NC248	NT76	6.24	DN100	-6.15498	-0.04	-0.74	
NC249	NT68	21.13	DN100	-8.66572	-0.26	-1.04	
NC253	NC254	16.59	DN100	-8.10929	-0.18	-0.97	Vel.< 0.3 m/s
NC255	NC256	16.31	DN100	-8.17929	-0.18	-0.98	
NC257	NC258	16.39	DN100	-8.24929	-0.18	-0.99	
NC259	NC260	16.33	DN100	-8.31929	-0.19	-1.00	
NC261	NT79	7.52	DN100	-8.38929	-0.09	-1.01	
NC262	NT69	2.12	DN100	-10.04736	-0.03	-1.21	
NC263	NT58	3.32	DN100	-2.37207	-0.00	-0.28	
NT1	NT2	41.50	DN150	7.24421	0.05	0.39	
NT3	NT4	27.71	DN100	6.40062	0.20	0.77	
NT5	NT6	15.71	DN100	3.67138	0.04	0.44	
NT8	SG1	137.03	DN200	-70.00925	-2.84	-2.15	Vel.< 0.3 m/s
NT9	NT10	25.53	DN150	9.78818	0.06	0.53	
NT9	NT18	38.82	DN250	24.97693	0.04	0.49	
NT11	NT12	8.69	DN100	6.75108	0.07	0.81	
NT12	NT13	25.40	DN100	6.15177	0.17	0.74	
NT14	NT23	37.00	DN100	-2.41622	-0.05	-0.29	
NT15	NT16	15.70	DN100	3.55330	0.04	0.43	
NT15	NT24	40.35	DN100	-2.89608	-0.07	-0.35	
NT16	NT25	40.35	DN100	-3.06050	-0.08	-0.37	
NT17	NT26	38.84	DN100	-2.87482	-0.07	-0.35	
NT22	NT23	11.33	DN100	6.88435	0.09	0.83	Vel.< 0.3 m/s
NT24	NT25	15.70	DN100	3.16947	0.03	0.38	
NT26	NT32	22.79	DN100	-0.86577	-0.00	-0.10	
NT27	NT33	15.31	DN100	1.71937	0.01	0.21	
NT27	NT97	25.95	DN150	-8.99053	-0.05	-0.49	
NT28	NT29	25.40	DN100	6.23914	0.17	0.75	
NT28	NT34	14.40	DN100	-5.72557	-0.08	-0.69	
NT29	NT35	14.40	DN100	-1.35048	-0.01	-0.16	
NT30	NT31	14.40	DN100	5.61515	0.08	0.67	
NT30	NT36	14.40	DN100	-6.55593	-0.11	-0.79	
NT31	NT37	14.40	DN100	-1.42773	-0.01	-0.17	Vel.< 0.3 m/s
NT32	NT38	14.69	DN100	2.07202	0.01	0.25	Vel.< 0.3 m/s
NT34	NT40	49.00	DN100	-1.62931	-0.03	-0.20	Vel.< 0.3 m/s
NT35	NT41	49.00	DN100	-5.32636	-0.25	-0.64	Vel.< 0.3 m/s
NT36	NT42	49.00	DN100	-5.30755	-0.25	-0.64	
NT40	NT41	25.40	DN100	2.35765	0.03	0.28	

NT41	NT47	11.40	DN100	-6.45184	-0.08	-0.77	Vel.< 0.3 m/s
NT42	NT43	14.40	DN80	5.57898	0.22	1.02	
NT42	NT48	11.40	DN80	-7.63091	-0.31	-1.39	
NT43	NT49	11.40	DN100	-2.86028	-0.02	-0.34	
NT44	NT50	11.42	DN100	-8.04146	-0.12	-0.97	
NT46	NT52	49.00	DN100	-3.13408	-0.10	-0.38	
NT48	NT54	49.00	DN100	-7.08159	-0.42	-0.85	
NT57	NT58	25.07	DN150	-6.37817	-0.03	-0.35	
NT57	NT82	92.44	DN250	-30.09923	-0.14	-0.59	
NT58	NT59	34.49	DN100	-8.75023	-0.43	-1.05	
NT60	NT61	25.91	DN100	1.15373	0.01	0.14	Vel.< 0.3 m/s
NT62	NT63	9.49	DN100	3.77385	0.03	0.45	
NT64	NT65	14.53	DN80	4.22859	0.13	0.77	
NT65	NT66	49.45	DN100	-0.09762	-0.00	-0.01	
NT66	NT67	9.42	DN100	5.80055	0.06	0.70	
NT67	NT68	53.79	DN100	11.53552	1.12	1.38	
NT69	NT81	11.78	DN100	-16.40324	-0.47	-1.97	
NT70	NT81	13.62	DN100	-16.57100	-0.55	-1.99	
NT71	NT72	9.20	DN100	4.98518	0.04	0.60	
NT75	NT80	5.95	DN100	-13.72098	-0.17	-1.65	
NT76	NT80	5.95	DN100	-14.54427	-0.19	-1.75	Vel.< 0.3 m/s
NT78	NT79	16.02	DN100	8.38929	0.19	1.01	
NT80	SG2	30.07	DN150	-28.26524	-0.46	-1.53	
NT81	SG3	38.53	DN150	-32.97424	-0.79	-1.78	
NT82	NT83	29.12	DN250	-30.09925	-0.04	-0.59	
NT83	NT84	34.65	DN250	-30.09924	-0.05	-0.59	
NT84	NT85	26.41	DN250	-30.09925	-0.04	-0.59	
NT85	NT86	185.68	DN250	-30.09923	-0.28	-0.59	
NT86	NT87	82.40	DN250	-30.09923	-0.12	-0.59	
NT87	NT89	23.72	DN250	-30.09925	-0.04	-0.59	
NT89	NT90	59.94	DN250	-30.09924	-0.09	-0.59	Vel.< 0.3 m/s
NT90	NT91	88.50	DN250	-30.09923	-0.13	-0.59	
NT91	NT92	102.27	DN250	-30.09923	-0.15	-0.59	
NT92	NT93	39.08	DN250	-30.09924	-0.06	-0.59	
NT93	NT94	27.64	DN250	-30.09925	-0.04	-0.59	
NT94	SG4	16.46	DN250	-30.09925	-0.02	-0.59	

Combinaciones: H13+14

Inicio	Final	Longitud m	Diámetros mm	Caudal l/s	Périd. m.c.a.	Velocidad m/s	Coment.
BR39	NC39	25.31	DN100	-2.89202	-0.04	-0.35	Vel.< 0.3 m/s
BR39	NC40	20.66	DN100	2.89202	0.04	0.35	
BR48	NT21	7.01	DN100	-4.44682	-0.03	-0.53	
BR48	NT22	18.49	DN100	4.44682	0.07	0.53	
BR52	NC59	11.31	DN100	-2.25554	-0.01	-0.27	

BR52	NC60	9.90	DN100	2.25554	0.01	0.27	Vel.< 0.3 m/s
BR64	NC104	12.64	DN100	-2.58068	-0.02	-0.31	
BR64	NC105	2.50	DN100	0.08068	0.00	0.01	Vel.< 0.3 m/s
BR65	NC102	12.59	DN100	-2.65068	-0.02	-0.32	
BR65	NC103	2.17	DN100	2.65068	0.00	0.32	
BR88	NC127	11.50	DN100	-2.14977	-0.01	-0.26	Vel.< 0.3 m/s
BR88	NC128	3.49	DN100	2.14977	0.00	0.26	Vel.< 0.3 m/s
BR89	NC125	11.53	DN100	-2.21977	-0.01	-0.27	Vel.< 0.3 m/s
BR89	NC126	3.70	DN100	2.21977	0.00	0.27	Vel.< 0.3 m/s
BR92	NC120	7.89	DN100	-3.19849	-0.02	-0.38	
BR92	NC121	7.07	DN100	3.19849	0.01	0.38	
BR93	NC118	8.00	DN100	-3.26849	-0.02	-0.39	
BR93	NC119	7.14	DN100	3.26849	0.02	0.39	
BR99	H9	21.39	DN100	-1.66215	-0.01	-0.20	Vel.< 0.3 m/s
BR99	NT51	6.66	DN100	1.66215	0.00	0.20	Vel.< 0.3 m/s
BR107	NC181	4.70	DN100	-5.80916	-0.03	-0.70	
BR107	NT55	6.01	DN100	5.80916	0.04	0.70	
BR115	NC169	2.77	DN100	2.09994	0.00	0.25	Vel.< 0.3 m/s
BR115	NC170	12.41	DN100	-2.09994	-0.01	-0.25	Vel.< 0.3 m/s
H1	NC1	9.98	DN100	6.85132	0.08	0.82	
H1	NT2	10.61	DN100	-6.85132	-0.09	-0.82	
H2	NC8	18.03	DN100	-2.36243	-0.02	-0.28	Vel.< 0.3 m/s
H2	NT5	5.47	DN100	2.36243	0.01	0.28	Vel.< 0.3 m/s
H3	NC13	5.44	DN100	-0.31687	-0.00	-0.04	Vel.< 0.3 m/s
H3	NT7	3.12	DN100	0.31687	0.00	0.04	Vel.< 0.3 m/s
H4	NC62	31.11	DN250	17.99401	0.02	0.36	
H4	NT18	7.10	DN250	-17.99402	-0.00	-0.36	
H5	N11	28.66	DN100	-0.71484	-0.00	-0.09	Vel.< 0.3 m/s
H5	N12	2.54	DN100	0.71484	0.00	0.09	Vel.< 0.3 m/s
H6	NC77	7.27	DN100	2.23802	0.01	0.27	Vel.< 0.3 m/s
H6	NC78	15.27	DN100	-2.23802	-0.02	-0.27	Vel.< 0.3 m/s
H7	N10	13.86	DN100	3.53441	0.03	0.42	
H7	NT31	15.24	DN100	-3.53441	-0.04	-0.42	
H8	N23	27.84	DN100	3.31030	0.06	0.40	
H8	N24	2.91	DN100	-3.31030	-0.01	-0.40	
H9	N71	8.63	DN100	-1.66215	-0.01	-0.20	Vel.< 0.3 m/s
H10	N82	6.56	DN100	7.06990	0.06	0.85	
H10	NC192	15.26	DN100	-7.06989	-0.13	-0.85	
H11	N38	25.00	DN100	6.15115	0.17	0.74	
H11	N39	5.06	DN100	-6.15116	-0.03	-0.74	
H12	NC198	7.06	DN100	6.03960	0.05	0.72	
H12	NT69	34.08	DN100	-6.03960	-0.22	-0.72	
H13	NC250	6.92	DN100	-9.37810	-0.10	-1.13	
H13	NC251	9.77	DN100	-7.22191	-0.09	-0.87	
H14	N53	22.21	DN100	-13.50170	-0.62	-1.62	
H14	N58	8.16	DN100	-3.09830	-0.02	-0.37	

N1	NC23	28.40	DN100	1.51421	0.02	0.18	Vel.< 0.3 m/s
N1	NC24	15.62	DN100	-1.51421	-0.01	-0.18	Vel.< 0.3 m/s
N2	NC21	11.08	DN100	0.95421	0.00	0.11	Vel.< 0.3 m/s
N2	NC22	24.47	DN100	-0.95421	-0.01	-0.11	Vel.< 0.3 m/s
N3	NC33	21.20	DN100	0.39315	0.00	0.05	Vel.< 0.3 m/s
N3	NC34	12.38	DN100	-0.39315	-0.00	-0.05	Vel.< 0.3 m/s
N4	NC35	8.76	DN100	1.72315	0.01	0.21	Vel.< 0.3 m/s
N4	NC36	18.71	DN100	-1.72315	-0.01	-0.21	Vel.< 0.3 m/s
N5	NC37	25.14	DN100	2.55772	0.03	0.31	
N5	NT13	6.22	DN100	-2.55772	-0.01	-0.31	
N6	NC9	49.73	DN100	-2.15063	-0.05	-0.26	Vel.< 0.3 m/s
N6	NC10	4.11	DN100	2.15063	0.00	0.26	Vel.< 0.3 m/s
N7	N8	30.01	DN100	-1.13937	-0.01	-0.14	Vel.< 0.3 m/s
N7	NC13	4.29	DN100	1.13937	0.00	0.14	Vel.< 0.3 m/s
N8	NC14	3.43	DN100	-1.13937	-0.00	-0.14	Vel.< 0.3 m/s
N9	NC16	9.67	DN100	3.60687	0.02	0.43	
N9	NT17	9.23	DN100	-3.60687	-0.02	-0.43	
N10	NC82	3.91	DN100	3.53441	0.01	0.42	
N11	NC71	1.66	DN100	-0.71484	-0.00	-0.09	Vel.< 0.3 m/s
N12	NC70	28.65	DN100	0.71484	0.00	0.09	Vel.< 0.3 m/s
N13	NC69	9.68	DN100	0.13734	0.00	0.02	Vel.< 0.3 m/s
N13	NC70	1.36	DN100	0.00000	-0.00	0.00	Vel.< 0.3 m/s
N14	N15	30.01	DN100	-0.44016	-0.00	-0.05	Vel.< 0.3 m/s
N14	NC69	20.34	DN100	0.44016	0.00	0.05	Vel.< 0.3 m/s
N15	NC68	19.49	DN100	-0.44016	-0.00	-0.05	Vel.< 0.3 m/s
N16	NT20	13.46	DN100	-4.00474	-0.04	-0.48	
N16	NT21	26.25	DN100	4.00474	0.08	0.48	
N17	NT18	4.50	DN100	-7.33241	-0.04	-0.88	
N17	NT19	20.61	DN150	7.33241	0.03	0.40	
N18	N19	30.00	DN100	-2.44463	-0.04	-0.29	Vel.< 0.3 m/s
N18	NT33	1.22	DN100	2.44463	0.00	0.29	Vel.< 0.3 m/s
N19	NT39	21.29	DN100	-2.44463	-0.03	-0.29	Vel.< 0.3 m/s
N20	NC115	7.00	DN100	3.40849	0.02	0.41	
N20	NT39	12.08	DN100	-3.40849	-0.03	-0.41	
N21	NC116	7.97	DN100	-3.33849	-0.02	-0.40	
N21	NC117	7.11	DN100	3.33849	0.02	0.40	
N22	NC122	7.96	DN100	-3.12849	-0.02	-0.38	
N22	NT40	5.05	DN100	3.12849	0.01	0.38	
N23	NT38	4.65	DN100	3.31030	0.01	0.40	
N24	NT44	13.63	DN100	-3.31030	-0.03	-0.40	
N25	NC135	8.58	DN100	-1.14710	-0.00	-0.14	Vel.< 0.3 m/s
N25	NC136	6.36	DN100	1.14710	0.00	0.14	Vel.< 0.3 m/s
N26	NC133	8.63	DN100	-1.21710	-0.00	-0.15	Vel.< 0.3 m/s
N26	NC134	6.43	DN100	1.21710	0.00	0.15	Vel.< 0.3 m/s
N27	NC131	8.59	DN100	-1.28710	-0.00	-0.15	Vel.< 0.3 m/s
N27	NC132	6.40	DN100	1.28710	0.00	0.15	Vel.< 0.3 m/s

N28	NT37	22.80	DN100	3.77645	0.06	0.45		N53	NT75	9.20	DN100	-13.50171	-0.26	-1.62	
N28	NT43	26.20	DN100	-3.77645	-0.07	-0.45		N54	NC220	6.39	DN100	1.31510	0.00	0.16	Vel.< 0.3 m/s
N29	N30	26.90	DN100	-1.14297	-0.01	-0.14	Vel.< 0.3 m/s	N54	NC221	8.67	DN100	-1.31510	-0.00	-0.16	Vel.< 0.3 m/s
N29	NT50	4.00	DN100	1.14297	0.00	0.14	Vel.< 0.3 m/s	N55	NC222	6.58	DN100	1.38510	0.00	0.17	Vel.< 0.3 m/s
N30	NT56	18.31	DN100	-1.14297	-0.01	-0.14	Vel.< 0.3 m/s	N55	NC223	8.41	DN100	-1.38510	-0.00	-0.17	Vel.< 0.3 m/s
N31	NT49	24.01	DN100	3.36935	0.05	0.40		N56	NC224	6.55	DN100	1.45510	0.00	0.17	Vel.< 0.3 m/s
N31	NT55	25.00	DN100	-3.36935	-0.06	-0.40		N56	NC225	8.35	DN100	-1.45510	-0.00	-0.17	Vel.< 0.3 m/s
N32	NC183	11.20	DN100	-2.38730	-0.01	-0.29	Vel.< 0.3 m/s	N57	NC226	6.86	DN100	1.52510	0.00	0.18	Vel.< 0.3 m/s
N32	NC184	3.84	DN100	2.38730	0.00	0.29	Vel.< 0.3 m/s	N57	NC227	8.07	DN100	-1.52510	-0.00	-0.18	Vel.< 0.3 m/s
N33	NC185	11.17	DN100	-2.31730	-0.01	-0.28	Vel.< 0.3 m/s	N58	NT74	15.12	DN100	-3.09830	-0.03	-0.37	
N33	NC186	3.89	DN100	2.31730	0.00	0.28	Vel.< 0.3 m/s	N59	NT73	1.43	DN100	-4.65841	-0.01	-0.56	
N34	NC187	11.27	DN100	-2.24730	-0.01	-0.27	Vel.< 0.3 m/s	N59	NT74	13.44	DN100	4.65840	0.05	0.56	
N34	NC188	3.84	DN100	2.24730	0.00	0.27	Vel.< 0.3 m/s	N60	NC211	5.54	DN100	1.13811	0.00	0.14	Vel.< 0.3 m/s
N35	N36	29.97	DN100	1.03433	0.01	0.12	Vel.< 0.3 m/s	N60	NC212	9.39	DN100	-1.13811	-0.00	-0.14	Vel.< 0.3 m/s
N35	NT56	11.57	DN100	-1.03433	-0.00	-0.12	Vel.< 0.3 m/s	N61	NT72	20.58	DN100	-5.96960	-0.13	-0.72	
N36	NC193	24.37	DN100	1.03433	0.01	0.12	Vel.< 0.3 m/s	N61	NT73	28.62	DN100	5.96960	0.18	0.72	
N37	NC193	5.64	DN100	-0.69233	-0.00	-0.08	Vel.< 0.3 m/s	N62	NC209	5.13	DN100	1.06811	0.00	0.13	Vel.< 0.3 m/s
N37	NT68	6.64	DN100	0.69233	0.00	0.08	Vel.< 0.3 m/s	N62	NC210	9.54	DN100	-1.06811	-0.00	-0.13	Vel.< 0.3 m/s
N38	NC181	25.31	DN100	6.15115	0.17	0.74		N63	N64	30.01	DN100	6.08739	0.19	0.73	
N39	NT65	11.16	DN100	-6.15115	-0.07	-0.74		N63	NT63	14.40	DN100	-6.08739	-0.09	-0.73	
N40	NC249	4.28	DN100	-9.41310	-0.06	-1.13		N64	NT64	5.16	DN100	6.08739	0.03	0.73	
N40	NC250	12.31	DN100	9.41310	0.18	1.13		N65	NC203	26.65	DN100	-9.01176	-0.35	-1.08	
N41	NC251	1.65	DN100	7.25692	0.01	0.87		N65	NT71	24.96	DN100	9.01176	0.33	1.08	
N41	NC252	14.84	DN100	-7.25691	-0.13	-0.87		N66	NT61	31.89	DN100	-3.37773	-0.07	-0.41	
N42	NC252	14.62	DN100	7.29191	0.13	0.88		N66	NT62	18.12	DN100	3.37773	0.04	0.41	
N42	NC253	1.62	DN100	-7.29192	-0.01	-0.88		N67	NC200	13.49	DN100	8.20899	0.15	0.99	
N43	NC254	11.88	DN100	7.36191	0.11	0.88		N67	NC201	1.64	DN100	-8.20900	-0.02	-0.99	
N43	NC255	4.37	DN100	-7.36192	-0.04	-0.88		N68	NC202	13.51	DN100	8.27899	0.15	0.99	
N44	NC256	9.37	DN100	7.43191	0.09	0.89		N68	NT70	1.58	DN100	-8.27900	-0.02	-0.99	
N44	NC257	6.85	DN100	-7.43191	-0.06	-0.89		N69	N70	28.09	DN100	1.94771	0.02	0.23	Vel.< 0.3 m/s
N45	NC258	6.77	DN100	7.50191	0.06	0.90		N69	NC190	58.73	DN100	-1.94771	-0.05	-0.23	Vel.< 0.3 m/s
N45	NC259	9.53	DN100	-7.50191	-0.09	-0.90		N70	NT59	7.59	DN100	1.94771	0.01	0.23	Vel.< 0.3 m/s
N46	NC260	4.16	DN100	7.57192	0.04	0.91		N71	N72	30.00	DN100	-1.66215	-0.02	-0.20	Vel.< 0.3 m/s
N46	NC261	20.56	DN100	-7.57191	-0.20	-0.91		N72	NC263	2.39	DN100	-1.66215	-0.00	-0.20	Vel.< 0.3 m/s
N47	NT76	9.30	DN100	-7.60691	-0.09	-0.91		N73	NT45	26.53	DN100	3.49959	0.06	0.42	
N47	NT78	34.62	DN100	7.60691	0.34	0.91		N73	NT51	23.37	DN100	-3.49959	-0.06	-0.42	
N48	NC229	1.91	DN100	5.16286	0.01	0.62		N74	NT39	8.73	DN100	5.85312	0.05	0.70	
N48	NC230	14.38	DN100	-5.16285	-0.07	-0.62		N74	NT45	3.49	DN100	-5.85312	-0.02	-0.70	
N49	NC230	14.58	DN100	5.19785	0.07	0.62		N75	NC163	2.74	DN100	1.88994	0.00	0.23	Vel.< 0.3 m/s
N49	NC231	2.43	DN100	-5.19785	-0.01	-0.62		N75	NC164	12.08	DN100	-1.88994	-0.01	-0.23	Vel.< 0.3 m/s
N50	NC232	11.20	DN100	5.26785	0.06	0.63		N76	NC165	2.78	DN100	1.95994	0.00	0.24	Vel.< 0.3 m/s
N50	NC233	5.43	DN100	-5.26785	-0.03	-0.63		N76	NC166	12.20	DN100	-1.95994	-0.01	-0.24	Vel.< 0.3 m/s
N51	NC234	7.91	DN100	5.33785	0.04	0.64		N77	NC167	2.95	DN100	2.02994	0.00	0.24	Vel.< 0.3 m/s
N51	NC235	8.78	DN100	-5.33785	-0.04	-0.64		N77	NC168	12.23	DN100	-2.02994	-0.01	-0.24	Vel.< 0.3 m/s
N52	NC236	4.59	DN100	5.40785	0.02	0.65		N78	NC171	2.95	DN100	2.16994	0.00	0.26	Vel.< 0.3 m/s
N52	NT75	20.73	DN100	-5.40785	-0.11	-0.65		N78	NT52	10.07	DN100	-2.16994	-0.01	-0.26	Vel.< 0.3 m/s

N79	N80	26.94	DN100	-5.56971	-0.15	-0.67		NC36	NT13	5.11	DN100	-2.38815	-0.01	-0.29	Vel.< 0.3 m/s
N79	NT47	5.52	DN100	5.56971	0.03	0.67		NC37	NT14	7.31	DN100	1.89272	0.01	0.23	Vel.< 0.3 m/s
N80	NT53	16.54	DN100	-5.56971	-0.09	-0.67		NC38	NC39	6.39	DN100	3.55702	0.02	0.43	
N81	N82	30.00	DN100	-7.06989	-0.26	-0.85		NC38	NT14	28.10	DN100	-4.22202	-0.09	-0.51	
N81	NT53	13.46	DN100	7.06989	0.11	0.85		NC40	NT15	8.98	DN100	2.22702	0.01	0.27	Vel.< 0.3 m/s
N83	NC177	6.22	DN100	-1.34269	-0.00	-0.16	Vel.< 0.3 m/s	NC41	NC42	40.07	DN100	-1.09506	-0.01	-0.13	Vel.< 0.3 m/s
N83	NC178	8.76	DN100	1.34268	0.00	0.16	Vel.< 0.3 m/s	NC41	NT5	8.82	DN100	0.43006	0.00	0.05	Vel.< 0.3 m/s
N84	NC175	6.37	DN100	-1.41269	-0.00	-0.17	Vel.< 0.3 m/s	NC42	NC43	8.40	DN100	-1.76006	-0.01	-0.21	Vel.< 0.3 m/s
N84	NC176	8.73	DN100	1.41268	0.00	0.17	Vel.< 0.3 m/s	NC43	NC44	38.81	DN100	-2.42506	-0.05	-0.29	Vel.< 0.3 m/s
N85	NC19	21.43	DN250	-6.17712	-0.00	-0.12	Vel.< 0.3 m/s	NC44	NT15	9.18	DN100	-3.09007	-0.02	-0.37	
N85	NT1	6.90	DN250	6.17712	0.00	0.12	Vel.< 0.3 m/s	NC45	NC46	39.50	DN100	-1.00313	-0.01	-0.12	Vel.< 0.3 m/s
N86	NC11	16.46	DN100	-0.50563	-0.00	-0.06	Vel.< 0.3 m/s	NC45	NT6	11.19	DN100	0.18063	0.00	0.02	Vel.< 0.3 m/s
N86	NC12	43.73	DN100	0.50563	0.00	0.06	Vel.< 0.3 m/s	NC46	NC47	7.20	DN100	-1.82564	-0.01	-0.22	Vel.< 0.3 m/s
NC1	NC2	6.20	DN100	6.57132	0.05	0.79		NC47	NC48	40.77	DN100	-2.64814	-0.06	-0.32	
NC2	NC3	20.17	DN100	6.29132	0.14	0.76		NC48	NT16	6.61	DN100	-3.47064	-0.02	-0.42	
NC3	NC4	10.34	DN100	6.01132	0.07	0.72		NC49	NC50	50.40	DN100	1.60970	0.03	0.19	Vel.< 0.3 m/s
NC4	NT3	8.89	DN100	5.73132	0.05	0.69		NC49	NT16	9.65	DN100	-2.43220	-0.01	-0.29	Vel.< 0.3 m/s
NC5	NC6	19.26	DN100	4.35743	0.07	0.52		NC50	NC51	17.19	DN100	0.78720	0.00	0.09	Vel.< 0.3 m/s
NC5	NT4	15.87	DN100	-5.02243	-0.07	-0.60		NC51	NC52	45.91	DN100	-0.03530	-0.00	-0.00	Vel.< 0.3 m/s
NC6	NC7	32.83	DN100	3.69243	0.09	0.44		NC52	NT17	6.56	DN100	-0.85781	-0.00	-0.10	Vel.< 0.3 m/s
NC7	NC8	25.40	DN100	3.02743	0.05	0.36		NC53	NC54	24.62	DN100	5.73724	0.14	0.69	
NC9	NT6	10.76	DN100	-2.97313	-0.02	-0.36		NC53	NT19	5.16	DN100	-6.31474	-0.04	-0.76	
NC10	NC11	9.44	DN100	1.32813	0.00	0.16	Vel.< 0.3 m/s	NC54	NC55	3.62	DN100	5.15974	0.02	0.62	
NC12	NT7	6.17	DN100	-0.31687	-0.00	-0.04	Vel.< 0.3 m/s	NC55	NC56	21.34	DN100	4.58224	0.08	0.55	
NC14	NC15	8.39	DN100	-1.96187	-0.01	-0.24	Vel.< 0.3 m/s	NC56	NT20	1.26	DN100	4.00474	0.00	0.48	
NC15	NC16	38.52	DN100	-2.78437	-0.06	-0.33		NC57	NC72	31.20	DN100	-1.01958	-0.01	-0.12	Vel.< 0.3 m/s
NC17	NC18	37.56	DN200	61.04656	0.60	1.88		NC57	NT21	1.09	DN100	0.44208	0.00	0.05	Vel.< 0.3 m/s
NC17	NT8	24.61	DN200	-68.04657	-0.48	-2.09		NC58	NC59	51.60	DN100	2.67554	0.08	0.32	
NC18	NT9	33.27	DN200	54.04657	0.43	1.66		NC58	NT23	27.48	DN100	-3.09554	-0.05	-0.37	
NC19	NC20	63.32	DN250	-13.17712	-0.02	-0.26	Vel.< 0.3 m/s	NC60	NT24	5.22	DN100	1.83554	0.00	0.22	Vel.< 0.3 m/s
NC20	NT9	27.10	DN250	-20.17713	-0.02	-0.40		NC61	NT25	28.29	DN100	-0.41147	-0.00	-0.05	Vel.< 0.3 m/s
NC21	NT2	13.61	DN100	0.67421	0.00	0.08	Vel.< 0.3 m/s	NC61	NT26	97.13	DN100	-0.32353	-0.00	-0.04	Vel.< 0.3 m/s
NC22	NC23	5.80	DN100	-1.23421	-0.00	-0.15	Vel.< 0.3 m/s	NC62	NC63	80.65	DN250	7.99400	0.01	0.16	Vel.< 0.3 m/s
NC24	NT10	3.68	DN100	-1.79421	-0.00	-0.22	Vel.< 0.3 m/s	NC63	NC64	49.85	DN250	-2.00601	-0.00	-0.04	Vel.< 0.3 m/s
NC25	NC26	32.29	DN100	6.46884	0.23	0.78		NC64	NT97	9.70	DN250	-12.00601	-0.00	-0.24	Vel.< 0.3 m/s
NC25	NT10	3.97	DN100	-6.74884	-0.03	-0.81		NC65	NC66	89.95	DN250	-26.09153	-0.10	-0.51	
NC26	NC27	5.43	DN100	6.18884	0.04	0.74		NC65	NT97	42.30	DN250	19.09153	0.03	0.38	
NC27	NC28	19.92	DN100	5.90884	0.12	0.71		NC66	NC67	19.78	DN250	-33.09155	-0.03	-0.65	
NC28	NT11	5.69	DN100	5.62884	0.03	0.68		NC67	NT57	47.42	DN250	-33.24154	-0.08	-0.66	
NC29	NC30	39.03	DN100	0.15703	0.00	0.02	Vel.< 0.3 m/s	NC68	NT19	13.65	DN100	-1.01766	-0.00	-0.12	Vel.< 0.3 m/s
NC29	NT3	8.30	DN100	-0.43703	-0.00	-0.05	Vel.< 0.3 m/s	NC71	NT27	11.88	DN100	-1.29234	-0.00	-0.16	Vel.< 0.3 m/s
NC30	NC31	9.30	DN100	-0.12297	-0.00	-0.01	Vel.< 0.3 m/s	NC72	NC73	14.24	DN100	-1.59708	-0.01	-0.19	Vel.< 0.3 m/s
NC31	NC32	34.11	DN100	-0.40297	-0.00	-0.05	Vel.< 0.3 m/s	NC73	NC74	52.76	DN100	-2.17458	-0.05	-0.26	Vel.< 0.3 m/s
NC32	NT12	9.59	DN100	-0.68297	-0.00	-0.08	Vel.< 0.3 m/s	NC74	NT28	11.65	DN100	-2.75208	-0.02	-0.33	
NC33	NT4	14.20	DN100	-0.27185	-0.00	-0.03	Vel.< 0.3 m/s	NC75	NC76	24.83	DN100	-1.39802	-0.01	-0.17	Vel.< 0.3 m/s
NC34	NC35	8.91	DN100	-1.05815	-0.00	-0.13	Vel.< 0.3 m/s	NC75	NT22	10.93	DN100	0.97802	0.00	0.12	Vel.< 0.3 m/s

NC76	NC77	41.44	DN100	-1.81802	-0.03	-0.22	Vel.< 0.3 m/s
NC78	NT29	11.09	DN100	-2.65802	-0.02	-0.32	
NC79	NC80	35.36	DN100	-2.96240	-0.06	-0.36	
NC79	NT24	9.36	DN100	2.54240	0.01	0.31	
NC80	NC81	17.42	DN100	-3.38240	-0.04	-0.41	
NC81	NT30	10.90	DN100	-3.80240	-0.03	-0.46	
NC82	NT25	33.75	DN100	2.79941	0.05	0.34	
NC83	NC84	42.61	DN100	4.22062	0.14	0.51	
NC83	NT27	17.88	DN100	-4.79812	-0.08	-0.58	
NC84	NC85	10.37	DN100	3.64312	0.03	0.44	
NC85	NC86	35.23	DN100	3.06562	0.07	0.37	
NC86	NT28	7.25	DN100	2.48812	0.01	0.30	Vel.< 0.3 m/s
NC87	NC88	18.57	DN100	2.98586	0.03	0.36	
NC87	NT29	26.86	DN100	-3.40586	-0.06	-0.41	
NC88	NC89	22.60	DN100	2.56586	0.03	0.31	
NC89	NC90	13.93	DN100	2.14586	0.01	0.26	Vel.< 0.3 m/s
NC90	NT30	25.41	DN100	1.72586	0.02	0.21	Vel.< 0.3 m/s
NC91	NT31	23.26	DN100	-1.61991	-0.01	-0.19	Vel.< 0.3 m/s
NC91	NT32	107.19	DN100	0.88490	0.02	0.11	Vel.< 0.3 m/s
NC92	NC93	10.54	DN100	3.42219	0.02	0.41	
NC92	NT33	4.91	DN100	-3.43969	-0.01	-0.41	
NC93	NC94	14.91	DN100	3.38719	0.03	0.41	
NC94	NC95	14.90	DN100	3.35219	0.03	0.40	
NC95	NC96	15.09	DN100	3.31719	0.03	0.40	
NC96	NC97	15.08	DN100	3.28219	0.03	0.39	
NC97	NC98	15.10	DN100	3.24719	0.03	0.39	
NC98	NC99	14.99	DN100	3.21219	0.03	0.39	
NC99	NT34	13.03	DN100	3.17719	0.03	0.38	
NC100	NC101	10.07	DN100	2.72068	0.02	0.33	
NC100	NT35	10.45	DN100	-2.73818	-0.02	-0.33	
NC101	NC102	15.08	DN100	2.68568	0.02	0.32	
NC103	NC104	15.24	DN100	2.61568	0.02	0.31	
NC105	NC106	14.82	DN100	0.04568	0.00	0.01	Vel.< 0.3 m/s
NC106	NT36	11.82	DN100	0.00000	0.00	0.00	Vel.< 0.3 m/s
NC107	NC108	15.01	DN100	0.82050	0.00	0.10	Vel.< 0.3 m/s
NC107	NT37	12.94	DN100	-0.85550	-0.00	-0.10	Vel.< 0.3 m/s
NC108	NC109	15.05	DN100	0.78550	0.00	0.09	Vel.< 0.3 m/s
NC109	NC110	15.23	DN100	0.75050	0.00	0.09	Vel.< 0.3 m/s
NC110	NC111	14.90	DN100	0.71550	0.00	0.09	Vel.< 0.3 m/s
NC111	NC112	14.93	DN100	0.68050	0.00	0.08	Vel.< 0.3 m/s
NC112	NC113	14.85	DN100	0.64550	0.00	0.08	Vel.< 0.3 m/s
NC113	NC114	12.54	DN100	0.61050	0.00	0.07	Vel.< 0.3 m/s
NC114	NT38	12.09	DN100	0.59300	0.00	0.07	Vel.< 0.3 m/s
NC115	NC116	15.06	DN100	3.37349	0.03	0.40	
NC117	NC118	15.00	DN100	3.30349	0.03	0.40	
NC119	NC120	15.01	DN100	3.23349	0.03	0.39	

NC121	NC122	14.98	DN100	3.16349	0.03	0.38	
NC123	NC124	10.11	DN100	2.28977	0.01	0.27	Vel.< 0.3 m/s
NC123	NT41	10.42	DN100	-2.30727	-0.01	-0.28	Vel.< 0.3 m/s
NC124	NC125	15.08	DN100	2.25477	0.02	0.27	Vel.< 0.3 m/s
NC126	NC127	14.82	DN100	2.18477	0.02	0.26	Vel.< 0.3 m/s
NC128	NC129	14.91	DN100	2.11477	0.01	0.25	Vel.< 0.3 m/s
NC129	NT42	11.79	DN100	2.07977	0.01	0.25	Vel.< 0.3 m/s
NC130	NC131	15.12	DN100	1.32210	0.01	0.16	Vel.< 0.3 m/s
NC130	NT43	13.07	DN100	-1.35710	-0.01	-0.16	Vel.< 0.3 m/s
NC132	NC133	14.98	DN100	1.25210	0.01	0.15	Vel.< 0.3 m/s
NC134	NC135	15.00	DN100	1.18210	0.01	0.14	Vel.< 0.3 m/s
NC136	NC137	13.25	DN100	1.11210	0.00	0.13	Vel.< 0.3 m/s
NC137	NT44	10.07	DN100	1.09460	0.00	0.13	Vel.< 0.3 m/s
NC138	NC139	14.93	DN100	-2.38853	-0.02	-0.29	Vel.< 0.3 m/s
NC138	NT45	8.36	DN100	2.35354	0.01	0.28	Vel.< 0.3 m/s
NC139	NC140	15.08	DN100	-2.42353	-0.02	-0.29	Vel.< 0.3 m/s
NC140	NC141	15.08	DN100	-2.45853	-0.02	-0.30	Vel.< 0.3 m/s
NC141	NC142	14.90	DN100	-2.49353	-0.02	-0.30	Vel.< 0.3 m/s
NC142	NC143	14.89	DN100	-2.52854	-0.02	-0.30	
NC143	NC144	15.11	DN100	-2.56354	-0.02	-0.31	
NC144	NC145	15.10	DN100	-2.59854	-0.02	-0.31	
NC145	NC146	15.15	DN100	-2.63354	-0.02	-0.32	
NC146	NT46	13.00	DN100	-2.66854	-0.02	-0.32	
NC147	NC148	11.73	DN100	0.48460	0.00	0.06	Vel.< 0.3 m/s
NC147	NT47	8.80	DN100	-0.50210	-0.00	-0.06	Vel.< 0.3 m/s
NC148	NC149	15.01	DN100	0.44960	0.00	0.05	Vel.< 0.3 m/s
NC149	NC150	14.96	DN100	0.41460	0.00	0.05	Vel.< 0.3 m/s
NC150	NC151	15.08	DN100	0.37960	0.00	0.05	Vel.< 0.3 m/s
NC151	NC152	15.11	DN100	0.34460	0.00	0.04	Vel.< 0.3 m/s
NC152	NC153	14.82	DN100	0.30960	0.00	0.04	Vel.< 0.3 m/s
NC153	NT48	11.83	DN100	0.27460	0.00	0.03	Vel.< 0.3 m/s
NC154	NC155	12.73	DN100	1.31773	0.01	0.16	Vel.< 0.3 m/s
NC154	NT49	7.71	DN100	-1.33523	-0.00	-0.16	Vel.< 0.3 m/s
NC155	NC156	14.81	DN100	1.28273	0.01	0.15	Vel.< 0.3 m/s
NC156	NC157	15.12	DN100	1.24773	0.01	0.15	Vel.< 0.3 m/s
NC157	NC158	14.98	DN100	1.21273	0.01	0.15	Vel.< 0.3 m/s
NC158	NC159	14.92	DN100	1.17773	0.01	0.14	Vel.< 0.3 m/s
NC159	NC160	15.11	DN100	1.14273	0.00	0.14	Vel.< 0.3 m/s
NC160	NC161	14.99	DN100	1.10773	0.00	0.13	Vel.< 0.3 m/s
NC161	NT50	15.50	DN100	1.07273	0.00	0.13	Vel.< 0.3 m/s
NC162	NC163	13.11	DN100	-1.85494	-0.01	-0.22	Vel.< 0.3 m/s
NC162	NT51	13.79	DN100	1.83744	0.01	0.22	Vel.< 0.3 m/s
NC164	NC165	15.15	DN100	-1.92494	-0.01	-0.23	Vel.< 0.3 m/s
NC166	NC167	14.86	DN100	-1.99494	-0.01	-0.24	Vel.< 0.3 m/s
NC168	NC169	15.00	DN100	-2.06494	-0.01	-0.25	Vel.< 0.3 m/s
NC170	NC171	14.72	DN100	-2.13494	-0.01	-0.26	Vel.< 0.3 m/s

NC172	NT52	11.43	DN100	4.83847	0.05	0.58		NC220	NT65	12.78	DN100	1.28010	0.01	0.15	Vel.< 0.3 m/s
NC172	NT60	66.00	DN100	-5.34847	-0.34	-0.64		NC221	NC222	14.79	DN100	-1.35010	-0.01	-0.16	Vel.< 0.3 m/s
NC173	NC174	10.89	DN100	1.48268	0.01	0.18	Vel.< 0.3 m/s	NC223	NC224	15.10	DN100	-1.42010	-0.01	-0.17	Vel.< 0.3 m/s
NC173	NT53	9.66	DN100	-1.50019	-0.01	-0.18	Vel.< 0.3 m/s	NC225	NC226	14.93	DN100	-1.49010	-0.01	-0.18	Vel.< 0.3 m/s
NC174	NC175	15.17	DN100	1.44768	0.01	0.17	Vel.< 0.3 m/s	NC227	NT74	7.89	DN100	-1.56010	-0.00	-0.19	Vel.< 0.3 m/s
NC176	NC177	15.06	DN100	1.37768	0.01	0.17	Vel.< 0.3 m/s	NC228	NC229	16.18	DN100	-5.12785	-0.08	-0.62	
NC178	NC179	14.94	DN100	1.30768	0.01	0.16	Vel.< 0.3 m/s	NC228	NT66	13.53	DN100	5.11035	0.06	0.61	
NC179	NT54	11.53	DN100	1.27268	0.00	0.15	Vel.< 0.3 m/s	NC231	NC232	16.69	DN100	-5.23285	-0.08	-0.63	
NC180	NT54	10.13	DN100	3.77161	0.03	0.45		NC233	NC234	16.63	DN100	-5.30285	-0.08	-0.64	
NC180	NT64	67.07	DN100	-4.08360	-0.21	-0.49		NC235	NC236	16.64	DN100	-5.37285	-0.09	-0.64	
NC182	NC183	11.28	DN100	2.42230	0.01	0.29	Vel.< 0.3 m/s	NC237	NC238	14.96	DN100	-5.42898	-0.08	-0.65	
NC182	NT55	9.25	DN100	-2.43980	-0.01	-0.29	Vel.< 0.3 m/s	NC237	NT67	12.82	DN100	5.39398	0.07	0.65	
NC184	NC185	14.99	DN100	2.35230	0.02	0.28	Vel.< 0.3 m/s	NC238	NC239	14.97	DN100	-5.46398	-0.08	-0.66	
NC186	NC187	14.86	DN100	2.28230	0.02	0.27	Vel.< 0.3 m/s	NC239	NC240	15.07	DN100	-5.49898	-0.08	-0.66	
NC188	NC189	14.99	DN100	2.21230	0.02	0.27	Vel.< 0.3 m/s	NC240	NC241	14.91	DN100	-5.53398	-0.08	-0.66	
NC189	NT56	10.84	DN100	2.17730	0.01	0.26	Vel.< 0.3 m/s	NC241	NC242	14.82	DN100	-5.56898	-0.08	-0.67	
NC190	NC191	29.77	DN100	-1.96521	-0.03	-0.24	Vel.< 0.3 m/s	NC242	NC243	15.02	DN100	-5.60398	-0.08	-0.67	
NC191	NT60	27.49	DN100	-2.00021	-0.02	-0.24	Vel.< 0.3 m/s	NC243	NC244	14.96	DN100	-5.63898	-0.08	-0.68	
NC192	NT61	12.22	DN100	-7.38189	-0.11	-0.89		NC244	NC245	14.96	DN100	-5.67398	-0.09	-0.68	
NC194	NC195	22.66	DN100	-5.89960	-0.14	-0.71		NC245	NC246	14.93	DN100	-5.70898	-0.09	-0.69	
NC194	NT59	34.25	DN100	5.86460	0.21	0.70		NC246	NC247	15.15	DN100	-5.74398	-0.09	-0.69	
NC195	NC196	15.01	DN100	-5.93460	-0.09	-0.71		NC247	NC248	14.68	DN100	-5.77898	-0.09	-0.69	
NC196	NC197	14.88	DN100	-5.96960	-0.09	-0.72		NC248	NT76	6.24	DN100	-5.81398	-0.04	-0.70	
NC197	NC198	15.08	DN100	-6.00460	-0.10	-0.72		NC249	NT68	21.13	DN100	-9.44809	-0.31	-1.13	
NC199	NC262	16.69	DN100	-9.96930	-0.27	-1.20		NC253	NC254	16.59	DN100	-7.32691	-0.15	-0.88	
NC199	NT60	29.17	DN100	9.93430	0.46	1.19		NC255	NC256	16.31	DN100	-7.39691	-0.15	-0.89	
NC200	NT61	12.58	DN100	8.17399	0.14	0.98		NC257	NC258	16.39	DN100	-7.46691	-0.15	-0.90	
NC201	NC202	14.89	DN100	-8.24399	-0.17	-0.99		NC259	NC260	16.33	DN100	-7.53691	-0.16	-0.90	
NC203	NT70	0.87	DN100	-9.04678	-0.01	-1.09		NC261	NT79	7.52	DN100	-7.60691	-0.07	-0.91	
NC204	NC205	17.32	DN100	-1.74655	-0.01	-0.21	Vel.< 0.3 m/s	NC262	NT69	2.12	DN100	-10.00431	-0.03	-1.20	
NC204	NT62	24.58	DN100	1.71155	0.02	0.21	Vel.< 0.3 m/s	NC263	NT58	3.32	DN100	-2.17215	-0.00	-0.26	Vel.< 0.3 m/s
NC205	NC206	17.34	DN100	-1.78155	-0.01	-0.21	Vel.< 0.3 m/s	NT1	NT2	41.50	DN150	6.17711	0.04	0.33	
NC206	NC207	17.29	DN100	-1.81655	-0.01	-0.22	Vel.< 0.3 m/s	NT3	NT4	27.71	DN100	5.29428	0.14	0.64	
NC207	NT71	13.38	DN100	-1.85155	-0.01	-0.22	Vel.< 0.3 m/s	NT5	NT6	15.71	DN100	2.79250	0.03	0.34	
NC208	NC209	14.91	DN100	-1.03311	-0.00	-0.12	Vel.< 0.3 m/s	NT8	SG1	137.03	DN200	-68.04651	-2.69	-2.09	
NC208	NT63	12.76	DN100	0.99811	0.00	0.12	Vel.< 0.3 m/s	NT9	NT10	25.53	DN150	8.54305	0.04	0.46	
NC210	NC211	15.32	DN100	-1.10311	-0.00	-0.13	Vel.< 0.3 m/s	NT9	NT18	38.82	DN250	25.32642	0.04	0.50	
NC212	NC213	12.05	DN100	-1.17311	-0.00	-0.14	Vel.< 0.3 m/s	NT11	NT12	8.69	DN100	5.62884	0.05	0.68	
NC213	NT72	8.79	DN100	-1.19061	-0.00	-0.14	Vel.< 0.3 m/s	NT12	NT13	25.40	DN100	4.94587	0.11	0.59	
NC214	NC215	16.79	DN100	-1.15370	-0.01	-0.14	Vel.< 0.3 m/s	NT14	NT23	37.00	DN100	-2.32930	-0.04	-0.28	Vel.< 0.3 m/s
NC214	NT64	22.86	DN100	1.11870	0.01	0.13	Vel.< 0.3 m/s	NT15	NT16	15.70	DN100	2.37729	0.02	0.29	Vel.< 0.3 m/s
NC215	NC216	17.28	DN100	-1.18870	-0.01	-0.14	Vel.< 0.3 m/s	NT15	NT24	40.35	DN100	-3.24034	-0.08	-0.39	
NC216	NC217	16.70	DN100	-1.22370	-0.01	-0.15	Vel.< 0.3 m/s	NT16	NT25	40.35	DN100	-3.52554	-0.10	-0.42	
NC217	NC218	16.85	DN100	-1.25870	-0.01	-0.15	Vel.< 0.3 m/s	NT17	NT26	38.84	DN100	-4.46468	-0.14	-0.54	
NC218	NC219	16.58	DN100	-1.29370	-0.01	-0.16	Vel.< 0.3 m/s	NT22	NT23	11.33	DN100	5.42484	0.06	0.65	
NC219	NT73	8.66	DN100	-1.31120	-0.00	-0.16	Vel.< 0.3 m/s	NT24	NT25	15.70	DN100	1.13760	0.01	0.14	Vel.< 0.3 m/s

NT26	NT32	22.79	DN100	-4.78821	-0.10	-0.57	Vel.< 0.3 m/s
NT27	NT33	15.31	DN100	0.99506	0.00	0.12	
NT27	NT97	25.95	DN150	-7.08552	-0.03	-0.38	
NT28	NT29	25.40	DN100	4.54249	0.10	0.55	
NT28	NT34	14.40	DN100	-4.80645	-0.06	-0.58	Vel.< 0.3 m/s
NT29	NT35	14.40	DN100	-1.52139	-0.01	-0.18	
NT30	NT31	14.40	DN100	2.23337	0.02	0.27	
NT30	NT36	14.40	DN100	-4.30991	-0.05	-0.52	
NT31	NT37	14.40	DN100	-2.92095	-0.02	-0.35	Vel.< 0.3 m/s
NT32	NT38	14.69	DN100	-3.90330	-0.04	-0.47	
NT34	NT40	49.00	DN100	-1.62926	-0.03	-0.20	
NT35	NT41	49.00	DN100	-4.25957	-0.17	-0.51	
NT36	NT42	49.00	DN100	-4.29923	-0.17	-0.52	Vel.< 0.3 m/s
NT40	NT41	25.40	DN100	1.49923	0.01	0.18	
NT41	NT47	11.40	DN100	-5.06761	-0.05	-0.61	
NT42	NT43	14.40	DN80	3.09943	0.08	0.56	
NT42	NT48	11.40	DN80	-5.31889	-0.16	-0.97	Vel.< 0.3 m/s
NT43	NT49	11.40	DN100	-2.03412	-0.01	-0.24	
NT44	NT50	11.42	DN100	-2.21570	-0.01	-0.27	
NT46	NT52	49.00	DN100	-2.66853	-0.07	-0.32	
NT48	NT54	49.00	DN100	-5.04429	-0.23	-0.61	Vel.< 0.3 m/s
NT57	NT58	25.07	DN150	-5.64016	-0.02	-0.31	
NT57	NT82	92.44	DN250	-27.60138	-0.12	-0.54	
NT58	NT59	34.49	DN100	-7.81230	-0.35	-0.94	
NT60	NT61	25.91	DN100	2.58563	0.04	0.31	Vel.< 0.3 m/s
NT62	NT63	9.49	DN100	5.08927	0.04	0.61	
NT64	NT65	14.53	DN80	3.12248	0.08	0.57	
NT65	NT66	49.45	DN100	-1.74857	-0.03	-0.21	
NT66	NT67	9.42	DN100	3.36178	0.02	0.40	Vel.< 0.3 m/s
NT67	NT68	53.79	DN100	8.75576	0.68	1.05	
NT69	NT81	11.78	DN100	-16.04390	-0.45	-1.93	
NT70	NT81	13.62	DN100	-17.32575	-0.60	-2.08	
NT71	NT72	9.20	DN100	7.16022	0.08	0.86	Vel.máx.
NT75	NT80	5.95	DN100	-18.90956	-0.31	-2.27	
NT76	NT80	5.95	DN100	-13.42089	-0.16	-1.61	
NT78	NT79	16.02	DN100	7.60691	0.16	0.91	
NT80	SG2	30.07	DN150	-32.33044	-0.60	-1.75	Vel.< 0.3 m/s
NT81	SG3	38.53	DN150	-33.36964	-0.81	-1.81	
NT82	NT83	29.12	DN250	-27.60139	-0.04	-0.54	
NT83	NT84	34.65	DN250	-27.60138	-0.04	-0.54	
NT84	NT85	26.41	DN250	-27.60139	-0.03	-0.54	Vel.< 0.3 m/s
NT85	NT86	185.68	DN250	-27.60137	-0.24	-0.54	
NT86	NT87	82.40	DN250	-27.60138	-0.10	-0.54	
NT87	NT89	23.72	DN250	-27.60139	-0.03	-0.54	
NT89	NT90	59.94	DN250	-27.60138	-0.08	-0.54	Vel.< 0.3 m/s
NT90	NT91	88.50	DN250	-27.60138	-0.11	-0.54	

NT91	NT92	102.27	DN250	-27.60137	-0.13	-0.54
NT92	NT93	39.08	DN250	-27.60138	-0.05	-0.54
NT93	NT94	27.64	DN250	-27.60139	-0.04	-0.54
NT94	SG4	16.46	DN250	-27.60139	-0.02	-0.54

Combinaciones: H2+H7

Inicio	Final	Longitud m	Diámetros mm	Caudal l/s	Périd. m.c.a.	Velocidad m/s	Coment.
BR39	NC39	25.31	DN100	-6.58684	-0.19	-0.79	Vel.< 0.3 m/s
BR39	NC40	20.66	DN100	6.58684	0.15	0.79	
BR48	NT21	7.01	DN100	-8.20124	-0.08	-0.98	
BR48	NT22	18.49	DN100	8.20124	0.21	0.98	
BR52	NC59	11.31	DN100	-5.50337	-0.06	-0.66	
BR52	NC60	9.90	DN100	5.50337	0.05	0.66	
BR64	NC104	12.64	DN100	-4.46015	-0.05	-0.54	
BR64	NC105	2.50	DN100	1.96015	0.00	0.24	
BR65	NC102	12.59	DN100	-4.53015	-0.05	-0.54	
BR65	NC103	2.17	DN100	4.53016	0.01	0.54	
BR88	NC127	11.50	DN100	-2.81309	-0.02	-0.34	
BR88	NC128	3.49	DN100	2.81309	0.01	0.34	
BR89	NC125	11.53	DN100	-2.88309	-0.02	-0.35	
BR89	NC126	3.70	DN100	2.88309	0.01	0.35	
BR92	NC120	7.89	DN100	-4.44887	-0.03	-0.53	
BR92	NC121	7.07	DN100	4.44887	0.03	0.53	
BR93	NC118	8.00	DN100	-4.51887	-0.03	-0.54	Vel.< 0.3 m/s
BR93	NC119	7.14	DN100	4.51887	0.03	0.54	
BR99	H9	21.39	DN100	-1.89878	-0.02	-0.23	Vel.< 0.3 m/s
BR99	NT51	6.66	DN100	1.89878	0.01	0.23	Vel.< 0.3 m/s
BR107	NC181	4.70	DN100	-8.88579	-0.06	-1.07	Vel.< 0.3 m/s
BR107	NT55	6.01	DN100	8.88579	0.08	1.07	
BR115	NC169	2.77	DN100	2.94719	0.00	0.35	
BR115	NC170	12.41	DN100	-2.94719	-0.02	-0.35	
H1	NC1	9.98	DN100	10.52561	0.18	1.26	
H1	NT2	10.61	DN100	-10.52561	-0.19	-1.26	
H2	NC8	18.03	DN100	-7.88353	-0.19	-0.95	
H2	NT5	5.47	DN100	-8.71648	-0.07	-1.05	
H3	NC13	5.44	DN100	-3.06112	-0.01	-0.37	
H3	NT7	3.12	DN100	3.06112	0.01	0.37	
H4	NC62	31.11	DN250	13.67080	0.01	0.27	Vel.< 0.3 m/s
H4	NT18	7.10	DN250	-13.67081	-0.00	-0.27	Vel.< 0.3 m/s
H5	N11	28.66	DN100	-1.25783	-0.01	-0.15	Vel.< 0.3 m/s
H5	N12	2.54	DN100	1.25783	0.00	0.15	Vel.< 0.3 m/s
H6	NC77	7.27	DN100	3.85564	0.02	0.46	Vel.< 0.3 m/s
H6	NC78	15.27	DN100	-3.85564	-0.04	-0.46	
H7	N10	13.86	DN100	-1.09103	-0.00	-0.13	Vel.< 0.3 m/s

H7	NT31	15.24	DN100	-15.50897	-0.55	-1.86	Vel.< 0.3 m/s	N20	NC115	7.00	DN100	4.65887	0.03	0.56	Vel.< 0.3 m/s
H8	N23	27.84	DN100	9.45163	0.40	1.13		N20	NT39	12.08	DN100	-4.65887	-0.05	-0.56	
H8	N24	2.91	DN100	-9.45164	-0.04	-1.13		N21	NC116	7.97	DN100	-4.58887	-0.03	-0.55	
H9	N71	8.63	DN100	-1.89878	-0.01	-0.23		N21	NC117	7.11	DN100	4.58887	0.03	0.55	
H10	N82	6.56	DN100	9.11039	0.09	1.09		N22	NC122	7.96	DN100	-4.37887	-0.03	-0.53	
H10	NC192	15.26	DN100	-9.11039	-0.21	-1.09		N22	NT40	5.05	DN100	4.37887	0.02	0.53	
H11	N38	25.00	DN100	9.22779	0.35	1.11		N23	NT38	4.65	DN100	9.45163	0.07	1.13	
H11	N39	5.06	DN100	-9.22779	-0.07	-1.11		N24	NT44	13.63	DN100	-9.45163	-0.20	-1.13	
H12	NC198	7.06	DN100	6.72648	0.05	0.81		N25	NC135	8.58	DN100	-0.65377	-0.00	-0.08	
H12	NT69	34.08	DN100	-6.72648	-0.27	-0.81		N25	NC136	6.36	DN100	0.65377	0.00	0.08	
H13	NC250	6.92	DN100	4.21981	0.02	0.51		N26	NC133	8.63	DN100	-0.72377	-0.00	-0.09	
H13	NC251	9.77	DN100	-4.21981	-0.03	-0.51		N26	NC134	6.43	DN100	0.72377	0.00	0.09	
H14	N53	22.21	DN100	-7.69230	-0.22	-0.92		N27	NC131	8.59	DN100	-0.79377	-0.00	-0.10	
H14	N58	8.16	DN100	7.69231	0.08	0.92		N27	NC132	6.40	DN100	0.79377	0.00	0.10	
N1	NC23	28.40	DN100	1.90555	0.02	0.23	Vel.< 0.3 m/s	N28	NT37	22.80	DN100	9.57969	0.34	1.15	
N1	NC24	15.62	DN100	-1.90555	-0.01	-0.23	Vel.< 0.3 m/s	N28	NT43	26.20	DN100	-9.57969	-0.39	-1.15	
N2	NC21	11.08	DN100	1.34555	0.00	0.16	Vel.< 0.3 m/s	N29	N30	26.90	DN100	-8.71788	-0.34	-1.05	
N2	NC22	24.47	DN100	-1.34555	-0.01	-0.16	Vel.< 0.3 m/s	N29	NT50	4.00	DN100	8.71788	0.05	1.05	
N3	NC33	21.20	DN100	1.94010	0.02	0.23	Vel.< 0.3 m/s	N30	NT56	18.31	DN100	-8.71788	-0.23	-1.05	
N3	NC34	12.38	DN100	-1.94010	-0.01	-0.23	Vel.< 0.3 m/s	N31	NT49	24.01	DN100	8.71382	0.30	1.05	
N4	NC35	8.76	DN100	3.27010	0.02	0.39	Vel.< 0.3 m/s	N31	NT55	25.00	DN100	-8.71382	-0.31	-1.05	
N4	NC36	18.71	DN100	-3.27010	-0.04	-0.39		N32	NC183	11.20	DN100	-0.11947	-0.00	-0.01	
N5	NC37	25.14	DN100	4.12833	0.08	0.50		N32	NC184	3.84	DN100	0.11947	0.00	0.01	
N5	NT13	6.22	DN100	-4.12833	-0.02	-0.50		N33	NC185	11.17	DN100	-0.04947	-0.00	-0.01	
N6	NC9	49.73	DN100	0.59361	0.01	0.07	Vel.< 0.3 m/s	N33	NC186	3.89	DN100	0.00000	0.00	0.00	
N6	NC10	4.11	DN100	-0.59361	-0.00	-0.07	Vel.< 0.3 m/s	N34	NC187	11.27	DN100	0.02053	0.00	0.00	
N7	N8	30.01	DN100	-3.88361	-0.09	-0.47	Vel.< 0.3 m/s	N34	NC188	3.84	DN100	0.00000	-0.00	0.00	
N7	NC13	4.29	DN100	3.88362	0.01	0.47		N35	N36	29.97	DN100	-8.80841	-0.38	-1.06	
N8	NC14	3.43	DN100	-3.88362	-0.01	-0.47		N35	NT56	11.57	DN100	8.80841	0.15	1.06	
N9	NC16	9.67	DN100	6.35112	0.07	0.76		N36	NC193	24.37	DN100	-8.80841	-0.31	-1.06	
N9	NT17	9.23	DN100	-6.35112	-0.06	-0.76	Vel.< 0.3 m/s	N37	NC193	5.64	DN100	9.15041	0.08	1.10	
N10	NC82	3.91	DN100	-1.09103	-0.00	-0.13		N37	NT68	6.64	DN100	-9.15041	-0.09	-1.10	
N11	NC71	1.66	DN100	-1.25783	-0.00	-0.15		N38	NC181	25.31	DN100	9.22779	0.35	1.11	
N12	NC70	28.65	DN100	1.25783	0.01	0.15		N39	NT65	11.16	DN100	-9.22779	-0.15	-1.11	
N13	NC69	9.68	DN100	0.68033	0.00	0.08	Vel.< 0.3 m/s	N40	NC249	4.28	DN100	4.18481	0.01	0.50	
N13	NC70	1.36	DN100	-0.68033	-0.00	-0.08	Vel.< 0.3 m/s	N40	NC250	12.31	DN100	-4.18481	-0.04	-0.50	
N14	N15	30.01	DN100	0.10283	0.00	0.01	Vel.< 0.3 m/s	N41	NC251	1.65	DN100	4.25481	0.01	0.51	
N14	NC69	20.34	DN100	-0.10283	-0.00	-0.01	Vel.< 0.3 m/s	N41	NC252	14.84	DN100	-4.25481	-0.05	-0.51	
N15	NC68	19.49	DN100	0.10283	0.00	0.01	Vel.< 0.3 m/s	N42	NC252	14.62	DN100	4.28981	0.05	0.51	
N16	NT20	13.46	DN100	-6.40169	-0.10	-0.77	Vel.< 0.3 m/s	N42	NC253	1.62	DN100	-4.28981	-0.01	-0.51	
N16	NT21	26.25	DN100	6.40169	0.19	0.77		N43	NC254	11.88	DN100	4.35981	0.04	0.52	
N17	NT18	4.50	DN100	-9.18637	-0.06	-1.10		N43	NC255	4.37	DN100	-4.35981	-0.02	-0.52	
N17	NT19	20.61	DN150	9.18636	0.04	0.50		N44	NC256	9.37	DN100	4.42981	0.03	0.53	
N18	N19	30.00	DN100	-3.22965	-0.06	-0.39		N44	NC257	6.85	DN100	-4.42981	-0.03	-0.53	
N18	NT33	1.22	DN100	3.22965	0.00	0.39		N45	NC258	6.77	DN100	4.49981	0.03	0.54	
N19	NT39	21.29	DN100	-3.22965	-0.04	-0.39		N45	NC259	9.53	DN100	-4.49981	-0.04	-0.54	

N46	NC260	4.16	DN100	4.56981	0.02	0.55		N71	N72	30.00	DN100	-1.89878	-0.02	-0.23	Vel.< 0.3 m/s
N46	NC261	20.56	DN100	-4.56981	-0.08	-0.55		N72	NC263	2.39	DN100	-1.89878	-0.00	-0.23	Vel.< 0.3 m/s
N47	NT76	9.30	DN100	-4.60481	-0.04	-0.55		N73	NT45	26.53	DN100	4.58346	0.10	0.55	
N47	NT78	34.62	DN100	4.60481	0.14	0.55		N73	NT51	23.37	DN100	-4.58346	-0.09	-0.55	
N48	NC229	1.91	DN100	4.85063	0.01	0.58		N74	NT39	8.73	DN100	7.88852	0.09	0.95	
N48	NC230	14.38	DN100	-4.85063	-0.06	-0.58		N74	NT45	3.49	DN100	-7.88852	-0.04	-0.95	
N49	NC230	14.58	DN100	4.88563	0.06	0.59		N75	NC163	2.74	DN100	2.73719	0.00	0.33	
N49	NC231	2.43	DN100	-4.88563	-0.01	-0.59		N75	NC164	12.08	DN100	-2.73719	-0.02	-0.33	
N50	NC232	11.20	DN100	4.95563	0.05	0.59		N76	NC165	2.78	DN100	2.80719	0.00	0.34	
N50	NC233	5.43	DN100	-4.95563	-0.02	-0.59		N76	NC166	12.20	DN100	-2.80719	-0.02	-0.34	
N51	NC234	7.91	DN100	5.02563	0.04	0.60		N77	NC167	2.95	DN100	2.87719	0.00	0.35	
N51	NC235	8.78	DN100	-5.02563	-0.04	-0.60		N77	NC168	12.23	DN100	-2.87719	-0.02	-0.35	
N52	NC236	4.59	DN100	5.09563	0.02	0.61		N78	NC171	2.95	DN100	3.01719	0.01	0.36	
N52	NT75	20.73	DN100	-5.09562	-0.10	-0.61		N78	NT52	10.07	DN100	-3.01719	-0.02	-0.36	
N53	NT75	9.20	DN100	-7.69231	-0.09	-0.92		N79	N80	26.94	DN100	-8.48730	-0.32	-1.02	
N54	NC220	6.39	DN100	4.08858	0.02	0.49		N79	NT47	5.52	DN100	8.48731	0.07	1.02	
N54	NC221	8.67	DN100	-4.08858	-0.03	-0.49		N80	NT53	16.54	DN100	-8.48730	-0.20	-1.02	
N55	NC222	6.58	DN100	4.15858	0.02	0.50		N81	N82	30.00	DN100	-9.11039	-0.41	-1.09	
N55	NC223	8.41	DN100	-4.15858	-0.03	-0.50		N81	NT53	13.46	DN100	9.11039	0.18	1.09	
N56	NC224	6.55	DN100	4.22858	0.02	0.51		N83	NC177	6.22	DN100	-0.46559	-0.00	-0.06	Vel.< 0.3 m/s
N56	NC225	8.35	DN100	-4.22858	-0.03	-0.51		N83	NC178	8.76	DN100	0.46559	0.00	0.06	Vel.< 0.3 m/s
N57	NC226	6.86	DN100	4.29858	0.02	0.52		N84	NC175	6.37	DN100	-0.53559	-0.00	-0.06	Vel.< 0.3 m/s
N57	NC227	8.07	DN100	-4.29858	-0.03	-0.52		N84	NC176	8.73	DN100	0.53559	0.00	0.06	Vel.< 0.3 m/s
N58	NT74	15.12	DN100	7.69230	0.15	0.92		N85	NC19	21.43	DN250	-9.46006	-0.00	-0.19	Vel.< 0.3 m/s
N59	NT73	1.43	DN100	3.35873	0.00	0.40		N85	NT1	6.90	DN250	9.46007	0.00	0.19	Vel.< 0.3 m/s
N59	NT74	13.44	DN100	-3.35873	-0.03	-0.40		N86	NC11	16.46	DN100	2.23861	0.02	0.27	Vel.< 0.3 m/s
N60	NC211	5.54	DN100	3.09774	0.01	0.37		N86	NC12	43.73	DN100	-2.23861	-0.05	-0.27	Vel.< 0.3 m/s
N60	NC212	9.39	DN100	-3.09774	-0.02	-0.37		NC1	NC2	6.20	DN100	10.24561	0.10	1.23	
N61	NT72	20.58	DN100	-0.89815	-0.00	-0.11	Vel.< 0.3 m/s	NC2	NC3	20.17	DN100	9.96560	0.32	1.20	
N61	NT73	28.62	DN100	0.89815	0.01	0.11	Vel.< 0.3 m/s	NC3	NC4	10.34	DN100	9.68561	0.16	1.16	
N62	NC209	5.13	DN100	3.02774	0.01	0.36		NC4	NT3	8.89	DN100	9.40561	0.13	1.13	
N62	NC210	9.54	DN100	-3.02774	-0.02	-0.36		NC5	NC6	19.26	DN100	9.87853	0.30	1.19	
N63	N64	30.01	DN100	4.83580	0.13	0.58		NC5	NT4	15.87	DN100	-10.54353	-0.28	-1.27	
N63	NT63	14.40	DN100	-4.83580	-0.06	-0.58		NC6	NC7	32.83	DN100	9.21353	0.45	1.11	
N64	NT64	5.16	DN100	4.83580	0.02	0.58		NC7	NC8	25.40	DN100	8.54853	0.31	1.03	
N65	NC203	26.65	DN100	-7.45314	-0.25	-0.89		NC9	NT6	10.76	DN100	-0.22889	-0.00	-0.03	Vel.< 0.3 m/s
N65	NT71	24.96	DN100	7.45314	0.23	0.89		NC10	NC11	9.44	DN100	-1.41611	-0.00	-0.17	Vel.< 0.3 m/s
N66	NT61	31.89	DN100	1.38670	0.01	0.17	Vel.< 0.3 m/s	NC12	NT7	6.17	DN100	-3.06112	-0.01	-0.37	
N66	NT62	18.12	DN100	-1.38670	-0.01	-0.17	Vel.< 0.3 m/s	NC14	NC15	8.39	DN100	-4.70612	-0.03	-0.56	
N67	NC200	13.49	DN100	8.64667	0.17	1.04		NC15	NC16	38.52	DN100	-5.52861	-0.21	-0.66	
N67	NC201	1.64	DN100	-8.64668	-0.02	-1.04		NC17	NC18	37.56	DN200	65.66902	0.69	2.02	
N68	NC202	13.51	DN100	8.71667	0.17	1.05		NC17	NT8	24.61	DN200	-72.66903	-0.55	-2.23	Vel.máx.
N68	NT70	1.58	DN100	-8.71668	-0.02	-1.05		NC18	NT9	33.27	DN200	58.66903	0.50	1.80	
N69	N70	28.09	DN100	3.29025	0.06	0.39		NC19	NC20	63.32	DN250	-16.46007	-0.03	-0.32	
N69	NC190	58.73	DN100	-3.29025	-0.13	-0.39		NC20	NT9	27.10	DN250	-23.46008	-0.03	-0.46	
N70	NT59	7.59	DN100	3.29026	0.02	0.39		NC21	NT2	13.61	DN100	1.06555	0.00	0.13	Vel.< 0.3 m/s

NC22	NC23	5.80	DN100	-1.62555	-0.00	-0.20	Vel.< 0.3 m/s
NC24	NT10	3.68	DN100	-2.18555	-0.00	-0.26	Vel.< 0.3 m/s
NC25	NC26	32.29	DN100	9.88625	0.51	1.19	
NC25	NT10	3.97	DN100	-10.16626	-0.07	-1.22	
NC26	NC27	5.43	DN100	9.60626	0.08	1.15	
NC27	NC28	19.92	DN100	9.32626	0.28	1.12	
NC28	NT11	5.69	DN100	9.04626	0.08	1.09	
NC29	NC30	39.03	DN100	-0.14283	-0.00	-0.02	Vel.< 0.3 m/s
NC29	NT3	8.30	DN100	-0.13717	-0.00	-0.02	Vel.< 0.3 m/s
NC30	NC31	9.30	DN100	-0.42283	-0.00	-0.05	Vel.< 0.3 m/s
NC31	NC32	34.11	DN100	-0.70283	-0.00	-0.08	Vel.< 0.3 m/s
NC32	NT12	9.59	DN100	-0.98283	-0.00	-0.12	Vel.< 0.3 m/s
NC33	NT4	14.20	DN100	1.27510	0.01	0.15	Vel.< 0.3 m/s
NC34	NC35	8.91	DN100	-2.60510	-0.01	-0.31	
NC36	NT13	5.11	DN100	-3.93510	-0.02	-0.47	
NC37	NT14	7.31	DN100	3.46333	0.02	0.42	
NC38	NC39	6.39	DN100	7.25185	0.06	0.87	
NC38	NT14	28.10	DN100	-7.91684	-0.29	-0.95	
NC40	NT15	8.98	DN100	5.92184	0.06	0.71	
NC41	NC42	40.07	DN100	-5.52030	-0.22	-0.66	
NC41	NT5	8.82	DN100	4.85530	0.04	0.58	
NC42	NC43	8.40	DN100	-6.18530	-0.06	-0.74	
NC43	NC44	38.81	DN100	-6.85030	-0.31	-0.82	
NC44	NT15	9.18	DN100	-7.51530	-0.09	-0.90	
NC45	NC46	39.50	DN100	-4.91256	-0.17	-0.59	
NC45	NT6	11.19	DN100	4.09006	0.04	0.49	
NC46	NC47	7.20	DN100	-5.73507	-0.04	-0.69	
NC47	NC48	40.77	DN100	-6.55756	-0.30	-0.79	
NC48	NT16	6.61	DN100	-7.38007	-0.06	-0.89	
NC49	NC50	50.40	DN100	1.28404	0.02	0.15	Vel.< 0.3 m/s
NC49	NT16	9.65	DN100	-2.10654	-0.01	-0.25	Vel.< 0.3 m/s
NC50	NC51	17.19	DN100	0.46154	0.00	0.06	Vel.< 0.3 m/s
NC51	NC52	45.91	DN100	-0.36096	-0.00	-0.04	Vel.< 0.3 m/s
NC52	NT17	6.56	DN100	-1.18346	-0.00	-0.14	Vel.< 0.3 m/s
NC53	NC54	24.62	DN100	8.13419	0.27	0.98	
NC53	NT19	5.16	DN100	-8.71170	-0.06	-1.05	
NC54	NC55	3.62	DN100	7.55670	0.03	0.91	
NC55	NC56	21.34	DN100	6.97919	0.18	0.84	
NC56	NT20	1.26	DN100	6.40170	0.01	0.77	
NC57	NC72	31.20	DN100	-2.37705	-0.04	-0.29	Vel.< 0.3 m/s
NC57	NT21	1.09	DN100	1.79955	0.00	0.22	Vel.< 0.3 m/s
NC58	NC59	51.60	DN100	5.92336	0.32	0.71	
NC58	NT23	27.48	DN100	-6.34336	-0.19	-0.76	
NC60	NT24	5.22	DN100	5.08337	0.02	0.61	
NC61	NT25	28.29	DN100	1.69093	0.02	0.20	Vel.< 0.3 m/s
NC61	NT26	97.13	DN100	-2.42593	-0.12	-0.29	Vel.< 0.3 m/s

NC62	NC63	80.65	DN250	3.67079	0.00	0.07	Vel.< 0.3 m/s
NC63	NC64	49.85	DN250	-6.32922	-0.00	-0.12	Vel.< 0.3 m/s
NC64	NT97	9.70	DN250	-16.32920	-0.00	-0.32	
NC65	NC66	89.95	DN250	-33.46802	-0.16	-0.66	
NC65	NT97	42.30	DN250	26.46802	0.05	0.52	
NC66	NC67	19.78	DN250	-40.46804	-0.05	-0.80	
NC67	NT57	47.42	DN250	-40.61802	-0.12	-0.80	
NC68	NT19	13.65	DN100	-0.47467	-0.00	-0.06	Vel.< 0.3 m/s
NC71	NT27	11.88	DN100	-1.83533	-0.01	-0.22	Vel.< 0.3 m/s
NC72	NC73	14.24	DN100	-2.95455	-0.03	-0.35	
NC73	NC74	52.76	DN100	-3.53205	-0.13	-0.42	
NC74	NT28	11.65	DN100	-4.10955	-0.04	-0.49	
NC75	NC76	24.83	DN100	-3.01564	-0.05	-0.36	
NC75	NT22	10.93	DN100	2.59564	0.02	0.31	
NC76	NC77	41.44	DN100	-3.43564	-0.10	-0.41	
NC78	NT29	11.09	DN100	-4.27564	-0.04	-0.51	
NC79	NC80	35.36	DN100	-6.55180	-0.26	-0.79	
NC79	NT24	9.36	DN100	6.13180	0.06	0.74	
NC80	NC81	17.42	DN100	-6.97180	-0.14	-0.84	
NC81	NT30	10.90	DN100	-7.39180	-0.10	-0.89	
NC82	NT25	33.75	DN100	-1.82603	-0.03	-0.22	Vel.< 0.3 m/s
NC83	NC84	42.61	DN100	6.04613	0.27	0.73	
NC83	NT27	17.88	DN100	-6.62363	-0.14	-0.79	
NC84	NC85	10.37	DN100	5.46863	0.06	0.66	
NC85	NC86	35.23	DN100	4.89113	0.15	0.59	
NC86	NT28	7.25	DN100	4.31363	0.03	0.52	
NC87	NC88	18.57	DN100	5.69731	0.11	0.68	
NC87	NT29	26.86	DN100	-6.11731	-0.18	-0.73	
NC88	NC89	22.60	DN100	5.27731	0.11	0.63	
NC89	NC90	13.93	DN100	4.85731	0.06	0.58	
NC90	NT30	25.41	DN100	4.43731	0.09	0.53	
NC91	NT31	23.26	DN100	-1.19389	-0.01	-0.14	Vel.< 0.3 m/s
NC91	NT32	107.19	DN100	0.45889	0.01	0.06	Vel.< 0.3 m/s
NC92	NC93	10.54	DN100	4.89200	0.05	0.59	
NC92	NT33	4.91	DN100	-4.90950	-0.02	-0.59	
NC93	NC94	14.91	DN100	4.85700	0.06	0.58	
NC94	NC95	14.90	DN100	4.82200	0.06	0.58	
NC95	NC96	15.09	DN100	4.78700	0.06	0.57	
NC96	NC97	15.08	DN100	4.75200	0.06	0.57	
NC97	NC98	15.10	DN100	4.71700	0.06	0.57	
NC98	NC99	14.99	DN100	4.68200	0.06	0.56	
NC99	NT34	13.03	DN100	4.64700	0.05	0.56	
NC100	NC101	10.07	DN100	4.60015	0.04	0.55	
NC100	NT35	10.45	DN100	-4.61765	-0.04	-0.55	
NC101	NC102	15.08	DN100	4.56515	0.06	0.55	
NC103	NC104	15.24	DN100	4.49515	0.06	0.54	

NC105	NC106	14.82	DN100	1.92515	0.01	0.23	Vel.< 0.3 m/s
NC106	NT36	11.82	DN100	1.89015	0.01	0.23	Vel.< 0.3 m/s
NC107	NC108	15.01	DN100	0.27749	0.00	0.03	Vel.< 0.3 m/s
NC107	NT37	12.94	DN100	-0.31249	-0.00	-0.04	Vel.< 0.3 m/s
NC108	NC109	15.05	DN100	0.24249	0.00	0.03	Vel.< 0.3 m/s
NC109	NC110	15.23	DN100	0.20749	0.00	0.02	Vel.< 0.3 m/s
NC110	NC111	14.90	DN100	0.17249	0.00	0.02	Vel.< 0.3 m/s
NC111	NC112	14.93	DN100	0.13749	0.00	0.02	Vel.< 0.3 m/s
NC112	NC113	14.85	DN100	0.10249	0.00	0.01	Vel.< 0.3 m/s
NC113	NC114	12.54	DN100	0.06749	0.00	0.01	Vel.< 0.3 m/s
NC114	NT38	12.09	DN100	0.04999	0.00	0.01	Vel.< 0.3 m/s
NC115	NC116	15.06	DN100	4.62387	0.06	0.55	
NC117	NC118	15.00	DN100	4.55387	0.06	0.55	
NC119	NC120	15.01	DN100	4.48387	0.06	0.54	
NC121	NC122	14.98	DN100	4.41387	0.05	0.53	
NC123	NC124	10.11	DN100	2.95309	0.02	0.35	
NC123	NT41	10.42	DN100	-2.97059	-0.02	-0.36	
NC124	NC125	15.08	DN100	2.91809	0.03	0.35	
NC126	NC127	14.82	DN100	2.84809	0.02	0.34	
NC128	NC129	14.91	DN100	2.77809	0.02	0.33	
NC129	NT42	11.79	DN100	2.74309	0.02	0.33	
NC130	NC131	15.12	DN100	0.82877	0.00	0.10	Vel.< 0.3 m/s
NC130	NT43	13.07	DN100	-0.86377	-0.00	-0.10	Vel.< 0.3 m/s
NC132	NC133	14.98	DN100	0.75877	0.00	0.09	Vel.< 0.3 m/s
NC134	NC135	15.00	DN100	0.68877	0.00	0.08	Vel.< 0.3 m/s
NC136	NC137	13.25	DN100	0.61877	0.00	0.07	Vel.< 0.3 m/s
NC137	NT44	10.07	DN100	0.60127	0.00	0.07	Vel.< 0.3 m/s
NC138	NC139	14.93	DN100	-3.34006	-0.03	-0.40	
NC138	NT45	8.36	DN100	3.30506	0.02	0.40	
NC139	NC140	15.08	DN100	-3.37506	-0.03	-0.41	
NC140	NC141	15.08	DN100	-3.41006	-0.03	-0.41	
NC141	NC142	14.90	DN100	-3.44506	-0.03	-0.41	
NC142	NC143	14.89	DN100	-3.48006	-0.04	-0.42	
NC143	NC144	15.11	DN100	-3.51506	-0.04	-0.42	
NC144	NC145	15.10	DN100	-3.55006	-0.04	-0.43	
NC145	NC146	15.15	DN100	-3.58506	-0.04	-0.43	
NC146	NT46	13.00	DN100	-3.62006	-0.03	-0.43	
NC147	NC148	11.73	DN100	-0.28144	-0.00	-0.03	Vel.< 0.3 m/s
NC147	NT47	8.80	DN100	0.26394	0.00	0.03	Vel.< 0.3 m/s
NC148	NC149	15.01	DN100	-0.31644	-0.00	-0.04	Vel.< 0.3 m/s
NC149	NC150	14.96	DN100	-0.35144	-0.00	-0.04	Vel.< 0.3 m/s
NC150	NC151	15.08	DN100	-0.38644	-0.00	-0.05	Vel.< 0.3 m/s
NC151	NC152	15.11	DN100	-0.42144	-0.00	-0.05	Vel.< 0.3 m/s
NC152	NC153	14.82	DN100	-0.45644	-0.00	-0.05	Vel.< 0.3 m/s
NC153	NT48	11.83	DN100	-0.49144	-0.00	-0.06	Vel.< 0.3 m/s
NC154	NC155	12.73	DN100	0.37748	0.00	0.05	Vel.< 0.3 m/s

NC154	NT49	7.71	DN100	-0.39498	-0.00	-0.05	Vel.< 0.3 m/s
NC155	NC156	14.81	DN100	0.34248	0.00	0.04	Vel.< 0.3 m/s
NC156	NC157	15.12	DN100	0.30748	0.00	0.04	Vel.< 0.3 m/s
NC157	NC158	14.98	DN100	0.27248	0.00	0.03	Vel.< 0.3 m/s
NC158	NC159	14.92	DN100	0.23748	0.00	0.03	Vel.< 0.3 m/s
NC159	NC160	15.11	DN100	0.20248	0.00	0.02	Vel.< 0.3 m/s
NC160	NC161	14.99	DN100	0.16748	0.00	0.02	Vel.< 0.3 m/s
NC161	NT50	15.50	DN100	0.13248	0.00	0.02	Vel.< 0.3 m/s
NC162	NC163	13.11	DN100	-2.70219	-0.02	-0.32	
NC162	NT51	13.79	DN100	2.68469	0.02	0.32	
NC164	NC165	15.15	DN100	-2.77219	-0.02	-0.33	
NC166	NC167	14.86	DN100	-2.84219	-0.02	-0.34	
NC168	NC169	15.00	DN100	-2.91219	-0.03	-0.35	
NC170	NC171	14.72	DN100	-2.98219	-0.03	-0.36	
NC172	NT52	11.43	DN100	6.63724	0.09	0.80	
NC172	NT60	66.00	DN100	-7.14724	-0.57	-0.86	
NC173	NC174	10.89	DN100	0.60559	0.00	0.07	Vel.< 0.3 m/s
NC173	NT53	9.66	DN100	-0.62309	-0.00	-0.07	Vel.< 0.3 m/s
NC174	NC175	15.17	DN100	0.57059	0.00	0.07	Vel.< 0.3 m/s
NC176	NC177	15.06	DN100	0.50059	0.00	0.06	Vel.< 0.3 m/s
NC178	NC179	14.94	DN100	0.43059	0.00	0.05	Vel.< 0.3 m/s
NC179	NT54	11.53	DN100	0.39559	0.00	0.05	Vel.< 0.3 m/s
NC180	NT54	10.13	DN100	7.97739	0.11	0.96	
NC180	NT64	67.07	DN100	-8.28939	-0.76	-0.99	
NC182	NC183	11.28	DN100	0.15447	0.00	0.02	Vel.< 0.3 m/s
NC182	NT55	9.25	DN100	-0.17197	-0.00	-0.02	Vel.< 0.3 m/s
NC184	NC185	14.99	DN100	0.08447	0.00	0.01	Vel.< 0.3 m/s
NC186	NC187	14.86	DN100	0.01447	0.00	0.00	Vel.< 0.3 m/s
NC188	NC189	14.99	DN100	-0.05553	-0.00	-0.01	Vel.< 0.3 m/s
NC189	NT56	10.84	DN100	-0.09053	-0.00	-0.01	Vel.< 0.3 m/s
NC190	NC191	29.77	DN100	-3.30775	-0.06	-0.40	
NC191	NT60	27.49	DN100	-3.34275	-0.06	-0.40	
NC192	NT61	12.22	DN100	-9.42239	-0.18	-1.13	
NC194	NC195	22.66	DN100	-6.58648	-0.17	-0.79	
NC194	NT59	34.25	DN100	6.55148	0.25	0.79	
NC195	NC196	15.01	DN100	-6.62148	-0.11	-0.79	
NC196	NC197	14.88	DN100	-6.65648	-0.11	-0.80	
NC197	NC198	15.08	DN100	-6.69148	-0.12	-0.80	
NC199	NC262	16.69	DN100	-9.94901	-0.27	-1.19	
NC199	NT60	29.17	DN100	9.91401	0.46	1.19	
NC200	NT61	12.58	DN100	8.61167	0.15	1.03	
NC201	NC202	14.89	DN100	-8.68167	-0.18	-1.04	
NC203	NT70	0.87	DN100	-7.48815	-0.01	-0.90	
NC204	NC205	17.32	DN100	-3.29976	-0.04	-0.40	
NC204	NT62	24.58	DN100	3.26476	0.05	0.39	
NC205	NC206	17.34	DN100	-3.33476	-0.04	-0.40	

NC206	NC207	17.29	DN100	-3.36976	-0.04	-0.40		NT3	NT4	27.71	DN100	9.26844	0.39	1.11	
NC207	NT71	13.38	DN100	-3.40476	-0.03	-0.41		NT5	NT6	15.71	DN100	-3.86118	-0.04	-0.46	
NC208	NC209	14.91	DN100	-2.99274	-0.03	-0.36		NT8	SG1	137.03	DN200	-72.66896	-3.04	-2.23	
NC208	NT63	12.76	DN100	2.95774	0.02	0.35		NT9	NT10	25.53	DN150	12.35181	0.09	0.67	
NC210	NC211	15.32	DN100	-3.06274	-0.03	-0.37		NT9	NT18	38.82	DN250	22.85717	0.04	0.45	
NC212	NC213	12.05	DN100	-3.13274	-0.02	-0.38		NT11	NT12	8.69	DN100	9.04626	0.12	1.09	
NC213	NT72	8.79	DN100	-3.15024	-0.02	-0.38		NT12	NT13	25.40	DN100	8.06342	0.27	0.97	
NC214	NC215	16.79	DN100	-4.09937	-0.05	-0.49		NT14	NT23	37.00	DN100	-4.45351	-0.14	-0.53	
NC214	NT64	22.86	DN100	4.06437	0.07	0.49		NT15	NT16	15.70	DN100	4.16896	0.05	0.50	
NC215	NC216	17.28	DN100	-4.13437	-0.06	-0.50		NT15	NT24	40.35	DN100	-5.76242	-0.24	-0.69	
NC216	NC217	16.70	DN100	-4.16937	-0.05	-0.50		NT16	NT25	40.35	DN100	-5.31764	-0.21	-0.64	
NC217	NC218	16.85	DN100	-4.20437	-0.06	-0.50		NT17	NT26	38.84	DN100	-7.53458	-0.37	-0.90	
NC218	NC219	16.58	DN100	-4.23937	-0.06	-0.51		NT22	NT23	11.33	DN100	10.79688	0.21	1.30	
NC219	NT73	8.66	DN100	-4.25687	-0.03	-0.51		NT24	NT25	15.70	DN100	5.45274	0.08	0.65	
NC220	NT65	12.78	DN100	4.05358	0.04	0.49		NT26	NT32	22.79	DN100	-9.96050	-0.36	-1.20	
NC221	NC222	14.79	DN100	-4.12358	-0.05	-0.49		NT27	NT33	15.31	DN100	1.67985	0.01	0.20	Vel.< 0.3 m/s
NC223	NC224	15.10	DN100	-4.19358	-0.05	-0.50		NT27	NT97	25.95	DN150	-10.13881	-0.06	-0.55	
NC225	NC226	14.93	DN100	-4.26358	-0.05	-0.51		NT28	NT29	25.40	DN100	7.73062	0.25	0.93	
NC227	NT74	7.89	DN100	-4.33358	-0.03	-0.52		NT28	NT34	14.40	DN100	-7.52654	-0.14	-0.90	
NC228	NC229	16.18	DN100	-4.81563	-0.07	-0.58		NT29	NT35	14.40	DN100	-2.66233	-0.02	-0.32	
NC228	NT66	13.53	DN100	4.79813	0.06	0.58		NT30	NT31	14.40	DN100	7.43567	0.13	0.89	
NC231	NC232	16.69	DN100	-4.92063	-0.07	-0.59		NT30	NT36	14.40	DN100	-10.39015	-0.25	-1.25	
NC233	NC234	16.63	DN100	-4.99063	-0.08	-0.60		NT31	NT37	14.40	DN100	-9.26720	-0.20	-1.11	
NC235	NC236	16.64	DN100	-5.06063	-0.08	-0.61		NT32	NT38	14.69	DN100	-9.50162	-0.21	-1.14	
NC237	NC238	14.96	DN100	-4.80091	-0.06	-0.58		NT34	NT40	49.00	DN100	-2.87954	-0.08	-0.35	
NC237	NT67	12.82	DN100	4.76591	0.05	0.57		NT35	NT41	49.00	DN100	-7.27998	-0.44	-0.87	
NC238	NC239	14.97	DN100	-4.83591	-0.06	-0.58		NT36	NT42	49.00	DN100	-8.50000	-0.58	-1.02	
NC239	NC240	15.07	DN100	-4.87091	-0.07	-0.58		NT40	NT41	25.40	DN100	1.49933	0.01	0.18	Vel.< 0.3 m/s
NC240	NC241	14.91	DN100	-4.90591	-0.07	-0.59		NT41	NT47	11.40	DN100	-8.75125	-0.14	-1.05	
NC241	NC242	14.82	DN100	-4.94091	-0.07	-0.59		NT42	NT43	14.40	DN80	2.12462	0.04	0.39	
NC242	NC243	15.02	DN100	-4.97591	-0.07	-0.60		NT42	NT48	11.40	DN80	-7.88153	-0.33	-1.44	
NC243	NC244	14.96	DN100	-5.01091	-0.07	-0.60		NT43	NT49	11.40	DN100	-8.31884	-0.13	-1.00	
NC244	NC245	14.96	DN100	-5.04591	-0.07	-0.61		NT44	NT50	11.42	DN100	-8.85036	-0.15	-1.06	
NC245	NC246	14.93	DN100	-5.08091	-0.07	-0.61		NT46	NT52	49.00	DN100	-3.62005	-0.12	-0.43	
NC246	NC247	15.15	DN100	-5.11591	-0.07	-0.61		NT48	NT54	49.00	DN100	-8.37297	-0.57	-1.00	
NC247	NC248	14.68	DN100	-5.15091	-0.07	-0.62		NT57	NT58	25.07	DN150	-7.43295	-0.03	-0.40	
NC248	NT76	6.24	DN100	-5.18592	-0.03	-0.62		NT57	NT82	92.44	DN250	-33.18507	-0.16	-0.65	
NC249	NT68	21.13	DN100	4.14981	0.07	0.50		NT58	NT59	34.49	DN100	-9.84173	-0.54	-1.18	
NC253	NC254	16.59	DN100	-4.32481	-0.06	-0.52		NT60	NT61	25.91	DN100	-0.57598	-0.00	-0.07	Vel.< 0.3 m/s
NC255	NC256	16.31	DN100	-4.39481	-0.06	-0.53		NT62	NT63	9.49	DN100	1.87806	0.01	0.23	Vel.< 0.3 m/s
NC257	NC258	16.39	DN100	-4.46481	-0.06	-0.54		NT64	NT65	14.53	DN80	0.61078	0.00	0.11	Vel.< 0.3 m/s
NC259	NC260	16.33	DN100	-4.53481	-0.06	-0.54		NT65	NT66	49.45	DN100	-4.56343	-0.19	-0.55	
NC261	NT79	7.52	DN100	-4.60481	-0.03	-0.55		NT66	NT67	9.42	DN100	0.23469	0.00	0.03	Vel.< 0.3 m/s
NC262	NT69	2.12	DN100	-9.98402	-0.03	-1.20		NT67	NT68	53.79	DN100	5.00060	0.24	0.60	
NC263	NT58	3.32	DN100	-2.40878	-0.00	-0.29	Vel.< 0.3 m/s	NT69	NT81	11.78	DN100	-16.71049	-0.49	-2.01	
NT1	NT2	41.50	DN150	9.46006	0.09	0.51		NT70	NT81	13.62	DN100	-16.20480	-0.53	-1.94	

NT71	NT72	9.20	DN100	4.04838	0.03	0.49	
NT75	NT80	5.95	DN100	-12.78793	-0.15	-1.53	
NT76	NT80	5.95	DN100	-9.79072	-0.09	-1.18	
NT78	NT79	16.02	DN100	4.60481	0.06	0.55	
NT80	SG2	30.07	DN150	-22.57864	-0.31	-1.22	
NT81	SG3	38.53	DN150	-32.91529	-0.79	-1.78	
NT82	NT83	29.12	DN250	-33.18508	-0.05	-0.65	
NT83	NT84	34.65	DN250	-33.18508	-0.06	-0.65	
NT84	NT85	26.41	DN250	-33.18508	-0.05	-0.65	
NT85	NT86	185.68	DN250	-33.18506	-0.33	-0.65	
NT86	NT87	82.40	DN250	-33.18507	-0.15	-0.65	
NT87	NT89	23.72	DN250	-33.18508	-0.04	-0.65	
NT89	NT90	59.94	DN250	-33.18507	-0.11	-0.65	
NT90	NT91	88.50	DN250	-33.18507	-0.16	-0.65	
NT91	NT92	102.27	DN250	-33.18507	-0.18	-0.65	
NT92	NT93	39.08	DN250	-33.18508	-0.07	-0.65	
NT93	NT94	27.64	DN250	-33.18508	-0.05	-0.65	
NT94	SG4	16.46	DN250	-33.18509	-0.03	-0.65	

Combinaciones: H7+H11

Inicio	Final	Longitud m	Diámetros mm	Caudal l/s	Périd. m.c.a.	Velocidad m/s	Coment.
BR39	NC39	25.31	DN100	-4.63864	-0.10	-0.56	
BR39	NC40	20.66	DN100	4.63864	0.08	0.56	
BR48	NT21	7.01	DN100	-6.31063	-0.05	-0.76	
BR48	NT22	18.49	DN100	6.31063	0.13	0.76	
BR52	NC59	11.31	DN100	-4.22675	-0.04	-0.51	
BR52	NC60	9.90	DN100	4.22675	0.03	0.51	
BR64	NC104	12.64	DN100	-4.00577	-0.04	-0.48	
BR64	NC105	2.50	DN100	1.50576	0.00	0.18	Vel.< 0.3 m/s
BR65	NC102	12.59	DN100	-4.07577	-0.04	-0.49	
BR65	NC103	2.17	DN100	4.07577	0.01	0.49	
BR88	NC127	11.50	DN100	-3.01371	-0.02	-0.36	
BR88	NC128	3.49	DN100	3.01371	0.01	0.36	
BR89	NC125	11.53	DN100	-3.08371	-0.02	-0.37	
BR89	NC126	3.70	DN100	3.08371	0.01	0.37	
BR92	NC120	7.89	DN100	-4.18539	-0.03	-0.50	
BR92	NC121	7.07	DN100	4.18539	0.02	0.50	
BR93	NC118	8.00	DN100	-4.25539	-0.03	-0.51	
BR93	NC119	7.14	DN100	4.25539	0.02	0.51	
BR99	H9	21.39	DN100	-2.01730	-0.02	-0.24	Vel.< 0.3 m/s
BR99	NT51	6.66	DN100	2.01730	0.01	0.24	Vel.< 0.3 m/s
BR107	NC181	4.70	DN100	-1.60501	-0.00	-0.19	Vel.< 0.3 m/s
BR107	NT55	6.01	DN100	1.60501	0.00	0.19	Vel.< 0.3 m/s
BR115	NC169	2.77	DN100	2.44452	0.00	0.29	Vel.< 0.3 m/s

BR115	NC170	12.41	DN100	-2.44452	-0.02	-0.29	Vel.< 0.3 m/s
H1	NC1	9.98	DN100	8.42296	0.12	1.01	
H1	NT2	10.61	DN100	-8.42296	-0.12	-1.01	
H2	NC8	18.03	DN100	-3.85331	-0.05	-0.46	
H2	NT5	5.47	DN100	3.85331	0.02	0.46	
H3	NC13	5.44	DN100	-0.07163	-0.00	-0.01	Vel.< 0.3 m/s
H3	NT7	3.12	DN100	0.07163	0.00	0.01	Vel.< 0.3 m/s
H4	NC62	31.11	DN250	16.35407	0.02	0.32	
H4	NT18	7.10	DN250	-16.35407	-0.00	-0.32	
H5	N11	28.66	DN100	-0.89656	-0.01	-0.11	Vel.< 0.3 m/s
H5	N12	2.54	DN100	0.89656	0.00	0.11	Vel.< 0.3 m/s
H6	NC77	7.27	DN100	2.52933	0.01	0.30	
H6	NC78	15.27	DN100	-2.52933	-0.02	-0.30	
H7	N10	13.86	DN100	-3.81764	-0.04	-0.46	
H7	NT31	15.24	DN100	-12.78236	-0.38	-1.53	
H8	N23	27.84	DN100	6.42977	0.20	0.77	
H8	N24	2.91	DN100	-6.42978	-0.02	-0.77	
H9	N71	8.63	DN100	-2.01730	-0.01	-0.24	Vel.< 0.3 m/s
H10	N82	6.56	DN100	8.48631	0.08	1.02	
H10	NC192	15.26	DN100	-8.48631	-0.18	-1.02	
H11	N38	25.00	DN100	1.94700	0.02	0.23	Vel.< 0.3 m/s
H11	N39	5.06	DN100	-18.54701	-0.25	-2.23	Vel.máx.
H12	NC198	7.06	DN100	6.42925	0.05	0.77	
H12	NT69	34.08	DN100	-6.42925	-0.24	-0.77	
H13	NC250	6.92	DN100	4.68624	0.03	0.56	
H13	NC251	9.77	DN100	-4.68624	-0.04	-0.56	
H14	N53	22.21	DN100	-8.70020	-0.28	-1.04	
H14	N58	8.16	DN100	8.70020	0.10	1.04	
N1	NC23	28.40	DN100	1.67699	0.02	0.20	Vel.< 0.3 m/s
N1	NC24	15.62	DN100	-1.67699	-0.01	-0.20	Vel.< 0.3 m/s
N2	NC21	11.08	DN100	1.11699	0.00	0.13	Vel.< 0.3 m/s
N2	NC22	24.47	DN100	-1.11699	-0.01	-0.13	Vel.< 0.3 m/s
N3	NC33	21.20	DN100	0.42170	0.00	0.05	Vel.< 0.3 m/s
N3	NC34	12.38	DN100	-0.42170	-0.00	-0.05	Vel.< 0.3 m/s
N4	NC35	8.76	DN100	1.75170	0.01	0.21	Vel.< 0.3 m/s
N4	NC36	18.71	DN100	-1.75170	-0.01	-0.21	Vel.< 0.3 m/s
N5	NC37	25.14	DN100	4.12043	0.08	0.49	
N5	NT13	6.22	DN100	-4.12044	-0.02	-0.49	
N6	NC9	49.73	DN100	-2.39588	-0.06	-0.29	Vel.< 0.3 m/s
N6	NC10	4.11	DN100	2.39588	0.01	0.29	Vel.< 0.3 m/s
N7	N8	30.01	DN100	-0.89413	-0.01	-0.11	Vel.< 0.3 m/s
N7	NC13	4.29	DN100	0.89413	0.00	0.11	Vel.< 0.3 m/s
N8	NC14	3.43	DN100	-0.89413	-0.00	-0.11	Vel.< 0.3 m/s
N9	NC16	9.67	DN100	3.36163	0.02	0.40	
N9	NT17	9.23	DN100	-3.36163	-0.02	-0.40	
N10	NC82	3.91	DN100	-3.81765	-0.01	-0.46	

N11	NC71	1.66	DN100	-0.89656	-0.00	-0.11	Vel.< 0.3 m/s	N38	NC181	25.31	DN100	1.94700	0.02	0.23	Vel.< 0.3 m/s
N12	NC70	28.65	DN100	0.89656	0.01	0.11	Vel.< 0.3 m/s	N39	NT65	11.16	DN100	-18.54700	-0.56	-2.23	
N13	NC69	9.68	DN100	0.31906	0.00	0.04	Vel.< 0.3 m/s	N40	NC249	4.28	DN100	4.65124	0.02	0.56	
N13	NC70	1.36	DN100	-0.31906	-0.00	-0.04	Vel.< 0.3 m/s	N40	NC250	12.31	DN100	-4.65124	-0.05	-0.56	
N14	N15	30.01	DN100	-0.25844	-0.00	-0.03	Vel.< 0.3 m/s	N41	NC251	1.65	DN100	4.72125	0.01	0.57	
N14	NC69	20.34	DN100	0.25844	0.00	0.03	Vel.< 0.3 m/s	N41	NC252	14.84	DN100	-4.72124	-0.06	-0.57	
N15	NC68	19.49	DN100	-0.25844	-0.00	-0.03	Vel.< 0.3 m/s	N42	NC252	14.62	DN100	4.75624	0.06	0.57	
N16	NT20	13.46	DN100	-5.43527	-0.07	-0.65		N42	NC253	1.62	DN100	-4.75625	-0.01	-0.57	
N16	NT21	26.25	DN100	5.43527	0.14	0.65		N43	NC254	11.88	DN100	4.82624	0.05	0.58	
N17	NT18	4.50	DN100	-8.58122	-0.05	-1.03		N43	NC255	4.37	DN100	-4.82624	-0.02	-0.58	
N17	NT19	20.61	DN150	8.58122	0.04	0.46		N44	NC256	9.37	DN100	4.89624	0.04	0.59	
N18	N19	30.00	DN100	-2.63117	-0.04	-0.32		N44	NC257	6.85	DN100	-4.89624	-0.03	-0.59	
N18	NT33	1.22	DN100	2.63117	0.00	0.32		N45	NC258	6.77	DN100	4.96624	0.03	0.60	
N19	NT39	21.29	DN100	-2.63117	-0.03	-0.32		N45	NC259	9.53	DN100	-4.96624	-0.04	-0.60	
N20	NC115	7.00	DN100	4.39539	0.03	0.53		N46	NC260	4.16	DN100	5.03624	0.02	0.60	
N20	NT39	12.08	DN100	-4.39539	-0.04	-0.53		N46	NC261	20.56	DN100	-5.03624	-0.09	-0.60	
N21	NC116	7.97	DN100	-4.32539	-0.03	-0.52		N47	NT76	9.30	DN100	-5.07124	-0.04	-0.61	
N21	NC117	7.11	DN100	4.32539	0.02	0.52		N47	NT78	34.62	DN100	5.07124	0.16	0.61	
N22	NC122	7.96	DN100	-4.11539	-0.03	-0.49		N48	NC229	1.91	DN100	5.71810	0.01	0.69	
N22	NT40	5.05	DN100	4.11539	0.02	0.49		N48	NC230	14.38	DN100	-5.71810	-0.08	-0.69	
N23	NT38	4.65	DN100	6.42978	0.03	0.77		N49	NC230	14.58	DN100	5.75310	0.09	0.69	
N24	NT44	13.63	DN100	-6.42978	-0.10	-0.77		N49	NC231	2.43	DN100	-5.75310	-0.01	-0.69	
N25	NC135	8.58	DN100	-0.84630	-0.00	-0.10	Vel.< 0.3 m/s	N50	NC232	11.20	DN100	5.82310	0.07	0.70	
N25	NC136	6.36	DN100	0.84630	0.00	0.10	Vel.< 0.3 m/s	N50	NC233	5.43	DN100	-5.82310	-0.03	-0.70	
N26	NC133	8.63	DN100	-0.91630	-0.00	-0.11	Vel.< 0.3 m/s	N51	NC234	7.91	DN100	5.89310	0.05	0.71	
N26	NC134	6.43	DN100	0.91630	0.00	0.11	Vel.< 0.3 m/s	N51	NC235	8.78	DN100	-5.89310	-0.05	-0.71	
N27	NC131	8.59	DN100	-0.98630	-0.00	-0.12	Vel.< 0.3 m/s	N52	NC236	4.59	DN100	5.96310	0.03	0.72	
N27	NC132	6.40	DN100	0.98630	0.00	0.12	Vel.< 0.3 m/s	N52	NT75	20.73	DN100	-5.96310	-0.13	-0.72	
N28	NT37	22.80	DN100	6.71619	0.18	0.81		N53	NT75	9.20	DN100	-8.70020	-0.11	-1.04	
N28	NT43	26.20	DN100	-6.71619	-0.20	-0.81		N54	NC220	6.39	DN100	5.78236	0.04	0.69	
N29	N30	26.90	DN100	-5.90523	-0.17	-0.71		N54	NC221	8.67	DN100	-5.78236	-0.05	-0.69	
N29	NT50	4.00	DN100	5.90523	0.02	0.71		N55	NC222	6.58	DN100	5.85236	0.04	0.70	
N30	NT56	18.31	DN100	-5.90523	-0.11	-0.71		N55	NC223	8.41	DN100	-5.85236	-0.05	-0.70	
N31	NT49	24.01	DN100	3.95609	0.07	0.47		N56	NC224	6.55	DN100	5.92236	0.04	0.71	
N31	NT55	25.00	DN100	-3.95609	-0.07	-0.47		N56	NC225	8.35	DN100	-5.92236	-0.05	-0.71	
N32	NC183	11.20	DN100	2.40359	0.01	0.29	Vel.< 0.3 m/s	N57	NC226	6.86	DN100	5.99236	0.04	0.72	
N32	NC184	3.84	DN100	-2.40359	-0.00	-0.29	Vel.< 0.3 m/s	N57	NC227	8.07	DN100	-5.99236	-0.05	-0.72	
N33	NC185	11.17	DN100	2.47359	0.01	0.30	Vel.< 0.3 m/s	N58	NT74	15.12	DN100	8.70020	0.19	1.04	
N33	NC186	3.89	DN100	-2.47359	-0.01	-0.30	Vel.< 0.3 m/s	N59	NT73	1.43	DN100	2.67284	0.00	0.32	
N34	NC187	11.27	DN100	2.54359	0.02	0.31		N59	NT74	13.44	DN100	-2.67284	-0.02	-0.32	
N34	NC188	3.84	DN100	-2.54359	-0.01	-0.31		N60	NC211	5.54	DN100	2.81613	0.01	0.34	
N35	N36	29.97	DN100	-8.51881	-0.36	-1.02		N60	NC212	9.39	DN100	-2.81613	-0.02	-0.34	
N35	NT56	11.57	DN100	8.51882	0.14	1.02		N61	NT72	20.58	DN100	-2.33102	-0.02	-0.28	Vel.< 0.3 m/s
N36	NC193	24.37	DN100	-8.51882	-0.29	-1.02		N61	NT73	28.62	DN100	2.33102	0.03	0.28	Vel.< 0.3 m/s
N37	NC193	5.64	DN100	8.86082	0.07	1.06		N62	NC209	5.13	DN100	2.74613	0.01	0.33	
N37	NT68	6.64	DN100	-8.86082	-0.09	-1.06		N62	NC210	9.54	DN100	-2.74613	-0.01	-0.33	

N63	N64	30.01	DN100	7.02407	0.25	0.84		NC5	NT4	15.87	DN100	-6.51331	-0.12	-0.78	
N63	NT63	14.40	DN100	-7.02407	-0.12	-0.84		NC6	NC7	32.83	DN100	5.18331	0.16	0.62	
N64	NT64	5.16	DN100	7.02407	0.04	0.84		NC7	NC8	25.40	DN100	4.51831	0.10	0.54	
N65	NC203	26.65	DN100	-8.23210	-0.30	-0.99		NC9	NT6	10.76	DN100	-3.21838	-0.02	-0.39	
N65	NT71	24.96	DN100	8.23210	0.28	0.99		NC10	NC11	9.44	DN100	1.57338	0.01	0.19	Vel.< 0.3 m/s
N66	NT61	31.89	DN100	-1.45548	-0.02	-0.17	Vel.< 0.3 m/s	NC12	NT7	6.17	DN100	-0.07163	-0.00	-0.01	Vel.< 0.3 m/s
N66	NT62	18.12	DN100	1.45548	0.01	0.17	Vel.< 0.3 m/s	NC14	NC15	8.39	DN100	-1.71663	-0.01	-0.21	Vel.< 0.3 m/s
N67	NC200	13.49	DN100	8.72419	0.17	1.05		NC15	NC16	38.52	DN100	-2.53913	-0.05	-0.30	
N67	NC201	1.64	DN100	-8.72420	-0.02	-1.05		NC17	NC18	37.56	DN200	63.70902	0.65	1.96	
N68	NC202	13.51	DN100	8.79419	0.17	1.06		NC17	NT8	24.61	DN200	-70.70903	-0.52	-2.17	
N68	NT70	1.58	DN100	-8.79420	-0.02	-1.06		NC18	NT9	33.27	DN200	56.70903	0.47	1.74	
N69	N70	28.09	DN100	2.45480	0.04	0.29	Vel.< 0.3 m/s	NC19	NC20	63.32	DN250	-14.58597	-0.03	-0.29	Vel.< 0.3 m/s
N69	NC190	58.73	DN100	-2.45480	-0.07	-0.29	Vel.< 0.3 m/s	NC20	NT9	27.10	DN250	-21.58598	-0.02	-0.43	
N70	NT59	7.59	DN100	2.45480	0.01	0.29	Vel.< 0.3 m/s	NC21	NT2	13.61	DN100	0.83699	0.00	0.10	Vel.< 0.3 m/s
N71	N72	30.00	DN100	-2.01730	-0.03	-0.24	Vel.< 0.3 m/s	NC22	NC23	5.80	DN100	-1.39699	-0.00	-0.17	Vel.< 0.3 m/s
N72	NC263	2.39	DN100	-2.01730	-0.00	-0.24	Vel.< 0.3 m/s	NC24	NT10	3.68	DN100	-1.95700	-0.00	-0.23	Vel.< 0.3 m/s
N73	NT45	26.53	DN100	4.19932	0.09	0.50		NC25	NC26	32.29	DN100	7.95079	0.34	0.95	
N73	NT51	23.37	DN100	-4.19932	-0.08	-0.50		NC25	NT10	3.97	DN100	-8.23080	-0.04	-0.99	
N74	NT39	8.73	DN100	7.02656	0.07	0.84		NC26	NC27	5.43	DN100	7.67080	0.05	0.92	
N74	NT45	3.49	DN100	-7.02656	-0.03	-0.84		NC27	NC28	19.92	DN100	7.39079	0.18	0.89	
N75	NC163	2.74	DN100	2.23452	0.00	0.27	Vel.< 0.3 m/s	NC28	NT11	5.69	DN100	7.11079	0.05	0.85	
N75	NC164	12.08	DN100	-2.23452	-0.01	-0.27	Vel.< 0.3 m/s	NC29	NC30	39.03	DN100	0.26634	0.00	0.03	Vel.< 0.3 m/s
N76	NC165	2.78	DN100	2.30452	0.00	0.28	Vel.< 0.3 m/s	NC29	NT3	8.30	DN100	-0.54634	-0.00	-0.07	Vel.< 0.3 m/s
N76	NC166	12.20	DN100	-2.30452	-0.01	-0.28	Vel.< 0.3 m/s	NC30	NC31	9.30	DN100	0.00000	-0.00	0.00	Vel.< 0.3 m/s
N77	NC167	2.95	DN100	2.37452	0.00	0.28	Vel.< 0.3 m/s	NC31	NC32	34.11	DN100	-0.29366	-0.00	-0.04	Vel.< 0.3 m/s
N77	NC168	12.23	DN100	-2.37452	-0.01	-0.28	Vel.< 0.3 m/s	NC32	NT12	9.59	DN100	-0.57366	-0.00	-0.07	Vel.< 0.3 m/s
N78	NC171	2.95	DN100	2.51452	0.00	0.30		NC33	NT4	14.20	DN100	-0.24331	-0.00	-0.03	Vel.< 0.3 m/s
N78	NT52	10.07	DN100	-2.51452	-0.01	-0.30		NC34	NC35	8.91	DN100	-1.08670	-0.00	-0.13	Vel.< 0.3 m/s
N79	N80	26.94	DN100	-7.16091	-0.23	-0.86		NC36	NT13	5.11	DN100	-2.41670	-0.01	-0.29	Vel.< 0.3 m/s
N79	NT47	5.52	DN100	7.16091	0.05	0.86		NC37	NT14	7.31	DN100	3.45544	0.02	0.41	
N80	NT53	16.54	DN100	-7.16091	-0.14	-0.86		NC38	NC39	6.39	DN100	5.30364	0.03	0.64	
N81	N82	30.00	DN100	-8.48630	-0.36	-1.02		NC38	NT14	28.10	DN100	-5.96864	-0.18	-0.72	
N81	NT53	13.46	DN100	8.48631	0.16	1.02		NC40	NT15	8.98	DN100	3.97364	0.03	0.48	
N83	NC177	6.22	DN100	-1.16790	-0.00	-0.14	Vel.< 0.3 m/s	NC41	NC42	40.07	DN100	-0.53899	-0.00	-0.06	Vel.< 0.3 m/s
N83	NC178	8.76	DN100	1.16790	0.00	0.14	Vel.< 0.3 m/s	NC41	NT5	8.82	DN100	-0.12601	-0.00	-0.02	Vel.< 0.3 m/s
N84	NC175	6.37	DN100	-1.23790	-0.00	-0.15	Vel.< 0.3 m/s	NC42	NC43	8.40	DN100	-1.20399	-0.00	-0.14	Vel.< 0.3 m/s
N84	NC176	8.73	DN100	1.23790	0.00	0.15	Vel.< 0.3 m/s	NC43	NC44	38.81	DN100	-1.86899	-0.03	-0.22	Vel.< 0.3 m/s
N85	NC19	21.43	DN250	-7.58597	-0.00	-0.15	Vel.< 0.3 m/s	NC44	NT15	9.18	DN100	-2.53399	-0.01	-0.30	
N85	NT1	6.90	DN250	7.58597	0.00	0.15	Vel.< 0.3 m/s	NC45	NC46	39.50	DN100	-0.31357	-0.00	-0.04	Vel.< 0.3 m/s
N86	NC11	16.46	DN100	-0.75087	-0.00	-0.09	Vel.< 0.3 m/s	NC45	NT6	11.19	DN100	-0.50893	-0.00	-0.06	Vel.< 0.3 m/s
N86	NC12	43.73	DN100	0.75087	0.01	0.09	Vel.< 0.3 m/s	NC46	NC47	7.20	DN100	-1.13607	-0.00	-0.14	Vel.< 0.3 m/s
NC1	NC2	6.20	DN100	8.14296	0.07	0.98		NC47	NC48	40.77	DN100	-1.95857	-0.03	-0.24	Vel.< 0.3 m/s
NC2	NC3	20.17	DN100	7.86296	0.21	0.94		NC48	NT16	6.61	DN100	-2.78108	-0.01	-0.33	
NC3	NC4	10.34	DN100	7.58296	0.10	0.91		NC49	NC50	50.40	DN100	1.58894	0.03	0.19	Vel.< 0.3 m/s
NC4	NT3	8.89	DN100	7.30296	0.08	0.88		NC49	NT16	9.65	DN100	-2.41144	-0.01	-0.29	Vel.< 0.3 m/s
NC5	NC6	19.26	DN100	5.84831	0.12	0.70		NC50	NC51	17.19	DN100	0.76644	0.00	0.09	Vel.< 0.3 m/s

NC51	NC52	45.91	DN100	-0.05606	-0.00	-0.01	Vel.< 0.3 m/s
NC52	NT17	6.56	DN100	-0.87856	-0.00	-0.11	Vel.< 0.3 m/s
NC53	NC54	24.62	DN100	7.16777	0.21	0.86	
NC53	NT19	5.16	DN100	-7.74528	-0.05	-0.93	
NC54	NC55	3.62	DN100	6.59028	0.03	0.79	
NC55	NC56	21.34	DN100	6.01277	0.14	0.72	
NC56	NT20	1.26	DN100	5.43528	0.01	0.65	
NC57	NC72	31.20	DN100	-1.45286	-0.02	-0.17	Vel.< 0.3 m/s
NC57	NT21	1.09	DN100	0.87536	0.00	0.11	Vel.< 0.3 m/s
NC58	NC59	51.60	DN100	4.64675	0.21	0.56	
NC58	NT23	27.48	DN100	-5.06675	-0.13	-0.61	
NC60	NT24	5.22	DN100	3.80675	0.01	0.46	
NC61	NT25	28.29	DN100	0.93681	0.01	0.11	Vel.< 0.3 m/s
NC61	NT26	97.13	DN100	-1.67181	-0.06	-0.20	Vel.< 0.3 m/s
NC62	NC63	80.65	DN250	6.35405	0.01	0.13	Vel.< 0.3 m/s
NC63	NC64	49.85	DN250	-3.64596	-0.00	-0.07	Vel.< 0.3 m/s
NC64	NT97	9.70	DN250	-13.64596	-0.00	-0.27	Vel.< 0.3 m/s
NC65	NC66	89.95	DN250	-30.09558	-0.13	-0.59	
NC65	NT97	42.30	DN250	23.09558	0.04	0.46	
NC66	NC67	19.78	DN250	-37.09560	-0.04	-0.73	
NC67	NT57	47.42	DN250	-37.24559	-0.10	-0.74	
NC68	NT19	13.65	DN100	-0.83594	-0.00	-0.10	Vel.< 0.3 m/s
NC71	NT27	11.88	DN100	-1.47406	-0.01	-0.18	Vel.< 0.3 m/s
NC72	NC73	14.24	DN100	-2.03036	-0.01	-0.24	Vel.< 0.3 m/s
NC73	NC74	52.76	DN100	-2.60786	-0.07	-0.31	
NC74	NT28	11.65	DN100	-3.18536	-0.02	-0.38	
NC75	NC76	24.83	DN100	-1.68933	-0.02	-0.20	Vel.< 0.3 m/s
NC75	NT22	10.93	DN100	1.26933	0.00	0.15	Vel.< 0.3 m/s
NC76	NC77	41.44	DN100	-2.10933	-0.04	-0.25	Vel.< 0.3 m/s
NC78	NT29	11.09	DN100	-2.94933	-0.02	-0.35	
NC79	NC80	35.36	DN100	-3.98195	-0.11	-0.48	
NC79	NT24	9.36	DN100	3.56195	0.02	0.43	
NC80	NC81	17.42	DN100	-4.40195	-0.06	-0.53	
NC81	NT30	10.90	DN100	-4.82195	-0.05	-0.58	
NC82	NT25	33.75	DN100	-4.55264	-0.13	-0.55	
NC83	NC84	42.61	DN100	5.49013	0.23	0.66	
NC83	NT27	17.88	DN100	-6.06763	-0.12	-0.73	
NC84	NC85	10.37	DN100	4.91263	0.05	0.59	
NC85	NC86	35.23	DN100	4.33513	0.12	0.52	
NC86	NT28	7.25	DN100	3.75763	0.02	0.45	
NC87	NC88	18.57	DN100	4.83267	0.08	0.58	
NC87	NT29	26.86	DN100	-5.25266	-0.13	-0.63	
NC88	NC89	22.60	DN100	4.41266	0.08	0.53	
NC89	NC90	13.93	DN100	3.99267	0.04	0.48	
NC90	NT30	25.41	DN100	3.57266	0.06	0.43	
NC91	NT31	23.26	DN100	-0.32891	-0.00	-0.04	Vel.< 0.3 m/s

NC91	NT32	107.19	DN100	-0.40609	-0.01	-0.05	Vel.< 0.3 m/s
NC92	NC93	10.54	DN100	4.52161	0.04	0.54	
NC92	NT33	4.91	DN100	-4.53911	-0.02	-0.54	
NC93	NC94	14.91	DN100	4.48661	0.06	0.54	
NC94	NC95	14.90	DN100	4.45161	0.05	0.53	
NC95	NC96	15.09	DN100	4.41661	0.05	0.53	
NC96	NC97	15.08	DN100	4.38161	0.05	0.53	
NC97	NC98	15.10	DN100	4.34661	0.05	0.52	
NC98	NC99	14.99	DN100	4.31161	0.05	0.52	
NC99	NT34	13.03	DN100	4.27661	0.04	0.51	
NC100	NC101	10.07	DN100	4.14577	0.03	0.50	
NC100	NT35	10.45	DN100	-4.16327	-0.03	-0.50	
NC101	NC102	15.08	DN100	4.11077	0.05	0.49	
NC103	NC104	15.24	DN100	4.04077	0.05	0.48	
NC105	NC106	14.82	DN100	1.47076	0.01	0.18	Vel.< 0.3 m/s
NC106	NT36	11.82	DN100	1.43576	0.01	0.17	Vel.< 0.3 m/s
NC107	NC108	15.01	DN100	0.11581	0.00	0.01	Vel.< 0.3 m/s
NC107	NT37	12.94	DN100	-0.15081	-0.00	-0.02	Vel.< 0.3 m/s
NC108	NC109	15.05	DN100	0.08081	0.00	0.01	Vel.< 0.3 m/s
NC109	NC110	15.23	DN100	0.04581	0.00	0.01	Vel.< 0.3 m/s
NC110	NC111	14.90	DN100	0.00000	0.00	0.00	Vel.< 0.3 m/s
NC111	NC112	14.93	DN100	0.00000	-0.00	0.00	Vel.< 0.3 m/s
NC112	NC113	14.85	DN100	-0.05919	-0.00	-0.01	Vel.< 0.3 m/s
NC113	NC114	12.54	DN100	-0.09419	-0.00	-0.01	Vel.< 0.3 m/s
NC114	NT38	12.09	DN100	0.00000	-0.00	0.00	Vel.< 0.3 m/s
NC115	NC116	15.06	DN100	4.36039	0.05	0.52	
NC117	NC118	15.00	DN100	4.29039	0.05	0.51	
NC119	NC120	15.01	DN100	4.22039	0.05	0.51	
NC121	NC122	14.98	DN100	4.15039	0.05	0.50	
NC123	NC124	10.11	DN100	3.15371	0.02	0.38	
NC123	NT41	10.42	DN100	-3.17121	-0.02	-0.38	
NC124	NC125	15.08	DN100	3.11871	0.03	0.37	
NC126	NC127	14.82	DN100	3.04871	0.03	0.37	
NC128	NC129	14.91	DN100	2.97871	0.03	0.36	
NC129	NT42	11.79	DN100	2.94371	0.02	0.35	
NC130	NC131	15.12	DN100	1.02130	0.00	0.12	Vel.< 0.3 m/s
NC130	NT43	13.07	DN100	-1.05630	-0.00	-0.13	Vel.< 0.3 m/s
NC132	NC133	14.98	DN100	0.95130	0.00	0.11	Vel.< 0.3 m/s
NC134	NC135	15.00	DN100	0.88130	0.00	0.11	Vel.< 0.3 m/s
NC136	NC137	13.25	DN100	0.81130	0.00	0.10	Vel.< 0.3 m/s
NC137	NT44	10.07	DN100	0.79380	0.00	0.10	Vel.< 0.3 m/s
NC138	NC139	14.93	DN100	-2.86224	-0.02	-0.34	
NC138	NT45	8.36	DN100	2.82724	0.01	0.34	
NC139	NC140	15.08	DN100	-2.89724	-0.03	-0.35	
NC140	NC141	15.08	DN100	-2.93224	-0.03	-0.35	
NC141	NC142	14.90	DN100	-2.96724	-0.03	-0.36	

NC142	NC143	14.89	DN100	-3.00224	-0.03	-0.36	
NC143	NC144	15.11	DN100	-3.03724	-0.03	-0.36	
NC144	NC145	15.10	DN100	-3.07224	-0.03	-0.37	
NC145	NC146	15.15	DN100	-3.10724	-0.03	-0.37	
NC146	NT46	13.00	DN100	-3.14224	-0.03	-0.38	
NC147	NC148	11.73	DN100	0.57121	0.00	0.07	Vel. < 0.3 m/s
NC147	NT47	8.80	DN100	-0.58871	-0.00	-0.07	Vel. < 0.3 m/s
NC148	NC149	15.01	DN100	0.53621	0.00	0.06	Vel. < 0.3 m/s
NC149	NC150	14.96	DN100	0.50121	0.00	0.06	Vel. < 0.3 m/s
NC150	NC151	15.08	DN100	0.46621	0.00	0.06	Vel. < 0.3 m/s
NC151	NC152	15.11	DN100	0.43121	0.00	0.05	Vel. < 0.3 m/s
NC152	NC153	14.82	DN100	0.39621	0.00	0.05	Vel. < 0.3 m/s
NC153	NT48	11.83	DN100	0.36121	0.00	0.04	Vel. < 0.3 m/s
NC154	NC155	12.73	DN100	-0.02425	-0.00	-0.00	Vel. < 0.3 m/s
NC154	NT49	7.71	DN100	0.00000	0.00	0.00	Vel. < 0.3 m/s
NC155	NC156	14.81	DN100	-0.05925	-0.00	-0.01	Vel. < 0.3 m/s
NC156	NC157	15.12	DN100	-0.09425	-0.00	-0.01	Vel. < 0.3 m/s
NC157	NC158	14.98	DN100	-0.12925	-0.00	-0.02	Vel. < 0.3 m/s
NC158	NC159	14.92	DN100	-0.16425	-0.00	-0.02	Vel. < 0.3 m/s
NC159	NC160	15.11	DN100	-0.19925	-0.00	-0.02	Vel. < 0.3 m/s
NC160	NC161	14.99	DN100	-0.23425	-0.00	-0.03	Vel. < 0.3 m/s
NC161	NT50	15.50	DN100	-0.26925	-0.00	-0.03	Vel. < 0.3 m/s
NC162	NC163	13.11	DN100	-2.19952	-0.01	-0.26	Vel. < 0.3 m/s
NC162	NT51	13.79	DN100	2.18202	0.01	0.26	Vel. < 0.3 m/s
NC164	NC165	15.15	DN100	-2.26952	-0.02	-0.27	Vel. < 0.3 m/s
NC166	NC167	14.86	DN100	-2.33952	-0.02	-0.28	Vel. < 0.3 m/s
NC168	NC169	15.00	DN100	-2.40952	-0.02	-0.29	Vel. < 0.3 m/s
NC170	NC171	14.72	DN100	-2.47952	-0.02	-0.30	Vel. < 0.3 m/s
NC172	NT52	11.43	DN100	5.65676	0.06	0.68	
NC172	NT60	66.00	DN100	-6.16676	-0.44	-0.74	
NC173	NC174	10.89	DN100	1.30790	0.00	0.16	Vel. < 0.3 m/s
NC173	NT53	9.66	DN100	-1.32540	-0.00	-0.16	Vel. < 0.3 m/s
NC174	NC175	15.17	DN100	1.27290	0.01	0.15	Vel. < 0.3 m/s
NC176	NC177	15.06	DN100	1.20290	0.01	0.14	Vel. < 0.3 m/s
NC178	NC179	14.94	DN100	1.13290	0.00	0.14	Vel. < 0.3 m/s
NC179	NT54	11.53	DN100	1.09790	0.00	0.13	Vel. < 0.3 m/s
NC180	NT54	10.13	DN100	5.76625	0.06	0.69	
NC180	NT64	67.07	DN100	-6.07824	-0.43	-0.73	
NC182	NC183	11.28	DN100	-2.36859	-0.01	-0.28	Vel. < 0.3 m/s
NC182	NT55	9.25	DN100	2.35109	0.01	0.28	Vel. < 0.3 m/s
NC184	NC185	14.99	DN100	-2.43859	-0.02	-0.29	Vel. < 0.3 m/s
NC186	NC187	14.86	DN100	-2.50859	-0.02	-0.30	
NC188	NC189	14.99	DN100	-2.57859	-0.02	-0.31	
NC189	NT56	10.84	DN100	-2.61359	-0.02	-0.31	
NC190	NC191	29.77	DN100	-2.47230	-0.04	-0.30	Vel. < 0.3 m/s
NC191	NT60	27.49	DN100	-2.50730	-0.04	-0.30	

NC192	NT61	12.22	DN100	-8.79831	-0.15	-1.06	
NC194	NC195	22.66	DN100	-6.28925	-0.16	-0.75	
NC194	NT59	34.25	DN100	6.25425	0.23	0.75	
NC195	NC196	15.01	DN100	-6.32425	-0.10	-0.76	
NC196	NC197	14.88	DN100	-6.35925	-0.10	-0.76	
NC197	NC198	15.08	DN100	-6.39425	-0.11	-0.77	
NC199	NC262	16.69	DN100	-10.27365	-0.28	-1.23	
NC199	NT60	29.17	DN100	10.23865	0.49	1.23	
NC200	NT61	12.58	DN100	8.68919	0.16	1.04	
NC201	NC202	14.89	DN100	-8.75919	-0.19	-1.05	
NC203	NT70	0.87	DN100	-8.26711	-0.01	-0.99	
NC204	NC205	17.32	DN100	-2.92746	-0.03	-0.35	
NC204	NT62	24.58	DN100	2.89246	0.04	0.35	
NC205	NC206	17.34	DN100	-2.96246	-0.03	-0.36	
NC206	NC207	17.29	DN100	-2.99746	-0.03	-0.36	
NC207	NT71	13.38	DN100	-3.03246	-0.02	-0.36	
NC208	NC209	14.91	DN100	-2.71113	-0.02	-0.33	
NC208	NT63	12.76	DN100	2.67613	0.02	0.32	
NC210	NC211	15.32	DN100	-2.78113	-0.02	-0.33	
NC212	NC213	12.05	DN100	-2.85113	-0.02	-0.34	
NC213	NT72	8.79	DN100	-2.86863	-0.01	-0.34	
NC214	NC215	16.79	DN100	-4.84636	-0.07	-0.58	
NC214	NT64	22.86	DN100	4.81136	0.10	0.58	
NC215	NC216	17.28	DN100	-4.88136	-0.08	-0.59	
NC216	NC217	16.70	DN100	-4.91636	-0.07	-0.59	
NC217	NC218	16.85	DN100	-4.95136	-0.08	-0.59	
NC218	NC219	16.58	DN100	-4.98636	-0.08	-0.60	
NC219	NT73	8.66	DN100	-5.00386	-0.04	-0.60	
NC220	NT65	12.78	DN100	5.74736	0.07	0.69	
NC221	NC222	14.79	DN100	-5.81736	-0.09	-0.70	
NC223	NC224	15.10	DN100	-5.88736	-0.09	-0.71	
NC225	NC226	14.93	DN100	-5.95736	-0.09	-0.71	
NC227	NT74	7.89	DN100	-6.02736	-0.05	-0.72	
NC228	NC229	16.18	DN100	-5.68310	-0.09	-0.68	
NC228	NT66	13.53	DN100	5.66560	0.08	0.68	
NC231	NC232	16.69	DN100	-5.78810	-0.10	-0.69	
NC233	NC234	16.63	DN100	-5.85810	-0.10	-0.70	
NC235	NC236	16.64	DN100	-5.92810	-0.10	-0.71	
NC237	NC238	14.96	DN100	-5.65645	-0.09	-0.68	
NC237	NT67	12.82	DN100	5.62145	0.07	0.67	
NC238	NC239	14.97	DN100	-5.69145	-0.09	-0.68	
NC239	NC240	15.07	DN100	-5.72645	-0.09	-0.69	
NC240	NC241	14.91	DN100	-5.76145	-0.09	-0.69	
NC241	NC242	14.82	DN100	-5.79645	-0.09	-0.70	
NC242	NC243	15.02	DN100	-5.83145	-0.09	-0.70	
NC243	NC244	14.96	DN100	-5.86645	-0.09	-0.70	

NC244	NC245	14.96	DN100	-5.90145	-0.09	-0.71	
NC245	NC246	14.93	DN100	-5.93645	-0.09	-0.71	
NC246	NC247	15.15	DN100	-5.97145	-0.09	-0.72	
NC247	NC248	14.68	DN100	-6.00645	-0.09	-0.72	
NC248	NT76	6.24	DN100	-6.04145	-0.04	-0.73	
NC249	NT68	21.13	DN100	4.61624	0.08	0.55	
NC253	NC254	16.59	DN100	-4.79124	-0.07	-0.58	
NC255	NC256	16.31	DN100	-4.86124	-0.07	-0.58	
NC257	NC258	16.39	DN100	-4.93124	-0.07	-0.59	
NC259	NC260	16.33	DN100	-5.00124	-0.07	-0.60	
NC261	NT79	7.52	DN100	-5.07124	-0.04	-0.61	
NC262	NT69	2.12	DN100	-10.30866	-0.04	-1.24	
NC263	NT58	3.32	DN100	-2.52730	-0.00	-0.30	
NT1	NT2	41.50	DN150	7.58597	0.06	0.41	
NT3	NT4	27.71	DN100	6.75662	0.22	0.81	
NT5	NT6	15.71	DN100	3.72730	0.04	0.45	
NT8	SG1	137.03	DN200	-70.70896	-2.89	-2.17	
NT9	NT10	25.53	DN150	10.18779	0.06	0.55	
NT9	NT18	38.82	DN250	24.93529	0.04	0.49	
NT11	NT12	8.69	DN100	7.11079	0.07	0.85	
NT12	NT13	25.40	DN100	6.53713	0.19	0.78	
NT14	NT23	37.00	DN100	-2.51321	-0.05	-0.30	
NT15	NT16	15.70	DN100	3.79059	0.04	0.45	
NT15	NT24	40.35	DN100	-2.35095	-0.05	-0.28	Vel.< 0.3 m/s
NT16	NT25	40.35	DN100	-1.40192	-0.02	-0.17	Vel.< 0.3 m/s
NT17	NT26	38.84	DN100	-4.24019	-0.13	-0.51	
NT22	NT23	11.33	DN100	7.57996	0.11	0.91	
NT24	NT25	15.70	DN100	5.01776	0.07	0.60	
NT26	NT32	22.79	DN100	-5.91200	-0.14	-0.71	
NT27	NT33	15.31	DN100	1.90794	0.01	0.23	Vel.< 0.3 m/s
NT27	NT97	25.95	DN150	-9.44963	-0.05	-0.51	
NT28	NT29	25.40	DN100	6.64239	0.19	0.80	
NT28	NT34	14.40	DN100	-6.07012	-0.09	-0.73	
NT29	NT35	14.40	DN100	-1.55960	-0.01	-0.19	Vel.< 0.3 m/s
NT30	NT31	14.40	DN100	6.54589	0.11	0.79	
NT30	NT36	14.40	DN100	-7.79518	-0.15	-0.94	
NT31	NT37	14.40	DN100	-6.56538	-0.11	-0.79	
NT32	NT38	14.69	DN100	-6.31809	-0.10	-0.76	
NT34	NT40	49.00	DN100	-1.79351	-0.04	-0.22	Vel.< 0.3 m/s
NT35	NT41	49.00	DN100	-5.72287	-0.28	-0.69	
NT36	NT42	49.00	DN100	-6.35942	-0.34	-0.76	
NT40	NT41	25.40	DN100	2.32188	0.03	0.28	Vel.< 0.3 m/s
NT41	NT47	11.40	DN100	-6.57220	-0.09	-0.79	
NT42	NT43	14.40	DN80	3.80965	0.11	0.69	
NT42	NT48	11.40	DN80	-7.22535	-0.28	-1.32	
NT43	NT49	11.40	DN100	-3.96284	-0.03	-0.48	

NT44	NT50	11.42	DN100	-5.63598	-0.06	-0.68	
NT46	NT52	49.00	DN100	-3.14224	-0.10	-0.38	
NT48	NT54	49.00	DN100	-6.86414	-0.40	-0.82	
NT57	NT58	25.07	DN150	-6.18175	-0.02	-0.33	
NT57	NT82	92.44	DN250	-31.06383	-0.15	-0.61	
NT58	NT59	34.49	DN100	-8.70905	-0.43	-1.05	
NT60	NT61	25.91	DN100	1.56459	0.01	0.19	Vel.< 0.3 m/s
NT62	NT63	9.49	DN100	4.34794	0.03	0.52	
NT64	NT65	14.53	DN80	5.75718	0.23	1.05	
NT65	NT66	49.45	DN100	-7.04246	-0.42	-0.85	
NT66	NT67	9.42	DN100	-1.37687	-0.00	-0.17	Vel.< 0.3 m/s
NT67	NT68	53.79	DN100	4.24458	0.18	0.51	
NT69	NT81	11.78	DN100	-16.73790	-0.49	-2.01	
NT70	NT81	13.62	DN100	-17.06129	-0.59	-2.05	
NT71	NT72	9.20	DN100	5.19965	0.04	0.62	
NT75	NT80	5.95	DN100	-14.66330	-0.19	-1.76	
NT76	NT80	5.95	DN100	-11.11269	-0.12	-1.33	
NT78	NT79	16.02	DN100	5.07124	0.07	0.61	
NT80	SG2	30.07	DN150	-25.77598	-0.39	-1.39	
NT81	SG3	38.53	DN150	-33.79918	-0.83	-1.83	
NT82	NT83	29.12	DN250	-31.06385	-0.05	-0.61	
NT83	NT84	34.65	DN250	-31.06384	-0.05	-0.61	
NT84	NT85	26.41	DN250	-31.06385	-0.04	-0.61	
NT85	NT86	185.68	DN250	-31.06383	-0.29	-0.61	
NT86	NT87	82.40	DN250	-31.06383	-0.13	-0.61	
NT87	NT89	23.72	DN250	-31.06385	-0.04	-0.61	
NT89	NT90	59.94	DN250	-31.06384	-0.09	-0.61	
NT90	NT91	88.50	DN250	-31.06383	-0.14	-0.61	
NT91	NT92	102.27	DN250	-31.06383	-0.16	-0.61	
NT92	NT93	39.08	DN250	-31.06384	-0.06	-0.61	
NT93	NT94	27.64	DN250	-31.06385	-0.04	-0.61	
NT94	SG4	16.46	DN250	-31.06385	-0.03	-0.61	

Combinaciones: H11+H14

Inicio	Final	Longitud m	Diámetros mm	Caudal l/s	Périd. m.c.a.	Velocidad m/s	Coment.
BR39	NC39	25.31	DN100	-2.95807	-0.04	-0.36	
BR39	NC40	20.66	DN100	2.95807	0.04	0.36	
BR48	NT21	7.01	DN100	-4.53536	-0.03	-0.54	
BR48	NT22	18.49	DN100	4.53536	0.07	0.54	
BR52	NC59	11.31	DN100	-2.32393	-0.01	-0.28	Vel.< 0.3 m/s
BR52	NC60	9.90	DN100	2.32393	0.01	0.28	Vel.< 0.3 m/s
BR64	NC104	12.64	DN100	-2.66072	-0.02	-0.32	
BR64	NC105	2.50	DN100	0.16072	0.00	0.02	Vel.< 0.3 m/s
BR65	NC102	12.59	DN100	-2.73072	-0.02	-0.33	

BR65	NC103	2.17	DN100	2.73072	0.00	0.33	
BR88	NC127	11.50	DN100	-2.26866	-0.01	-0.27	Vel.< 0.3 m/s
BR88	NC128	3.49	DN100	2.26867	0.00	0.27	Vel.< 0.3 m/s
BR89	NC125	11.53	DN100	-2.33866	-0.01	-0.28	Vel.< 0.3 m/s
BR89	NC126	3.70	DN100	2.33867	0.00	0.28	Vel.< 0.3 m/s
BR92	NC120	7.89	DN100	-3.36454	-0.02	-0.40	
BR92	NC121	7.07	DN100	3.36454	0.02	0.40	
BR93	NC118	8.00	DN100	-3.43454	-0.02	-0.41	
BR93	NC119	7.14	DN100	3.43454	0.02	0.41	
BR99	H9	21.39	DN100	-1.82853	-0.02	-0.22	Vel.< 0.3 m/s
BR99	NT51	6.66	DN100	1.82853	0.01	0.22	Vel.< 0.3 m/s
BR107	NC181	4.70	DN100	2.44222	0.01	0.29	Vel.< 0.3 m/s
BR107	NT55	6.01	DN100	-2.44222	-0.01	-0.29	Vel.< 0.3 m/s
BR115	NC169	2.77	DN100	2.01804	0.00	0.24	Vel.< 0.3 m/s
BR115	NC170	12.41	DN100	-2.01804	-0.01	-0.24	Vel.< 0.3 m/s
H1	NC1	9.98	DN100	6.96012	0.08	0.84	
H1	NT2	10.61	DN100	-6.96012	-0.09	-0.84	
H2	NC8	18.03	DN100	-2.43501	-0.02	-0.29	Vel.< 0.3 m/s
H2	NT5	5.47	DN100	2.43501	0.01	0.29	Vel.< 0.3 m/s
H3	NC13	5.44	DN100	-0.30008	-0.00	-0.04	Vel.< 0.3 m/s
H3	NT7	3.12	DN100	0.30008	0.00	0.04	Vel.< 0.3 m/s
H4	NC62	31.11	DN250	18.04948	0.02	0.36	
H4	NT18	7.10	DN250	-18.04949	-0.00	-0.36	
H5	N11	28.66	DN100	-0.69380	-0.00	-0.08	Vel.< 0.3 m/s
H5	N12	2.54	DN100	0.69380	0.00	0.08	Vel.< 0.3 m/s
H6	NC77	7.27	DN100	2.14449	0.01	0.26	Vel.< 0.3 m/s
H6	NC78	15.27	DN100	-2.14449	-0.02	-0.26	Vel.< 0.3 m/s
H7	N10	13.86	DN100	3.45144	0.03	0.41	
H7	NT31	15.24	DN100	-3.45144	-0.04	-0.41	
H8	N23	27.84	DN100	3.51031	0.07	0.42	
H8	N24	2.91	DN100	-3.51031	-0.01	-0.42	
H9	N71	8.63	DN100	-1.82853	-0.01	-0.22	Vel.< 0.3 m/s
H10	N82	6.56	DN100	7.20414	0.06	0.86	
H10	NC192	15.26	DN100	-7.20414	-0.13	-0.86	
H11	N38	25.00	DN100	-2.10022	-0.02	-0.25	Vel.< 0.3 m/s
H11	N39	5.06	DN100	-14.49979	-0.16	-1.74	
H12	NC198	7.06	DN100	6.07816	0.05	0.73	
H12	NT69	34.08	DN100	-6.07816	-0.22	-0.73	
H13	NC250	6.92	DN100	4.28484	0.02	0.51	
H13	NC251	9.77	DN100	-4.28484	-0.03	-0.51	
H14	N53	22.21	DN100	-14.85028	-0.74	-1.78	
H14	N58	8.16	DN100	-1.74972	-0.01	-0.21	Vel.< 0.3 m/s
N1	NC23	28.40	DN100	1.52527	0.02	0.18	Vel.< 0.3 m/s
N1	NC24	15.62	DN100	-1.52527	-0.01	-0.18	Vel.< 0.3 m/s
N2	NC21	11.08	DN100	0.96527	0.00	0.12	Vel.< 0.3 m/s
N2	NC22	24.47	DN100	-0.96527	-0.01	-0.12	Vel.< 0.3 m/s

N3	NC33	21.20	DN100	0.37292	0.00	0.04	Vel.< 0.3 m/s
N3	NC34	12.38	DN100	-0.37292	-0.00	-0.04	Vel.< 0.3 m/s
N4	NC35	8.76	DN100	1.70292	0.01	0.20	Vel.< 0.3 m/s
N4	NC36	18.71	DN100	-1.70292	-0.01	-0.20	Vel.< 0.3 m/s
N5	NC37	25.14	DN100	2.69715	0.04	0.32	
N5	NT13	6.22	DN100	-2.69715	-0.01	-0.32	
N6	NC9	49.73	DN100	-2.16742	-0.05	-0.26	Vel.< 0.3 m/s
N6	NC10	4.11	DN100	2.16742	0.00	0.26	Vel.< 0.3 m/s
N7	N8	30.01	DN100	-1.12258	-0.01	-0.13	Vel.< 0.3 m/s
N7	NC13	4.29	DN100	1.12258	0.00	0.13	Vel.< 0.3 m/s
N8	NC14	3.43	DN100	-1.12258	-0.00	-0.13	Vel.< 0.3 m/s
N9	NC16	9.67	DN100	3.59008	0.02	0.43	
N9	NT17	9.23	DN100	-3.59008	-0.02	-0.43	
N10	NC82	3.91	DN100	3.45144	0.01	0.41	
N11	NC71	1.66	DN100	-0.69380	-0.00	-0.08	Vel.< 0.3 m/s
N12	NC70	28.65	DN100	0.69380	0.00	0.08	Vel.< 0.3 m/s
N13	NC69	9.68	DN100	0.11630	0.00	0.01	Vel.< 0.3 m/s
N13	NC70	1.36	DN100	0.00000	-0.00	0.00	Vel.< 0.3 m/s
N14	N15	30.01	DN100	-0.46120	-0.00	-0.06	Vel.< 0.3 m/s
N14	NC69	20.34	DN100	0.46120	0.00	0.06	Vel.< 0.3 m/s
N15	NC68	19.49	DN100	-0.46120	-0.00	-0.06	Vel.< 0.3 m/s
N16	NT20	13.46	DN100	-4.14985	-0.04	-0.50	
N16	NT21	26.25	DN100	4.14985	0.09	0.50	
N17	NT18	4.50	DN100	-7.49855	-0.04	-0.90	
N17	NT19	20.61	DN150	7.49855	0.03	0.41	
N18	N19	30.00	DN100	-2.33617	-0.03	-0.28	Vel.< 0.3 m/s
N18	NT33	1.22	DN100	2.33618	0.00	0.28	Vel.< 0.3 m/s
N19	NT39	21.29	DN100	-2.33617	-0.02	-0.28	Vel.< 0.3 m/s
N20	NC115	7.00	DN100	3.57454	0.02	0.43	
N20	NT39	12.08	DN100	-3.57454	-0.03	-0.43	
N21	NC116	7.97	DN100	-3.50454	-0.02	-0.42	
N21	NC117	7.11	DN100	3.50454	0.02	0.42	
N22	NC122	7.96	DN100	-3.29454	-0.02	-0.40	
N22	NT40	5.05	DN100	3.29454	0.01	0.40	
N23	NT38	4.65	DN100	3.51031	0.01	0.42	
N24	NT44	13.63	DN100	-3.51031	-0.03	-0.42	
N25	NC135	8.58	DN100	-0.28958	-0.00	-0.03	Vel.< 0.3 m/s
N25	NC136	6.36	DN100	0.28958	0.00	0.03	Vel.< 0.3 m/s
N26	NC133	8.63	DN100	-0.35958	-0.00	-0.04	Vel.< 0.3 m/s
N26	NC134	6.43	DN100	0.35958	0.00	0.04	Vel.< 0.3 m/s
N27	NC131	8.59	DN100	-0.42958	-0.00	-0.05	Vel.< 0.3 m/s
N27	NC132	6.40	DN100	0.42958	0.00	0.05	Vel.< 0.3 m/s
N28	NT37	22.80	DN100	3.41487	0.05	0.41	
N28	NT43	26.20	DN100	-3.41487	-0.06	-0.41	
N29	N30	26.90	DN100	-4.08232	-0.08	-0.49	
N29	NT50	4.00	DN100	4.08233	0.01	0.49	

N30	NT56	18.31	DN100	-4.08233	-0.06	-0.49	Vel.< 0.3 m/s	Vel.< 0.3 m/s	N55	NC223	8.41	DN100	-2.62234	-0.01	-0.31		
N31	NT49	24.01	DN100	0.03790	0.00	0.00			N56	NC224	6.55	DN100	2.69234	0.01	0.32		
N31	NT55	25.00	DN100	-0.03790	-0.00	-0.00			N56	NC225	8.35	DN100	-2.69234	-0.01	-0.32		
N32	NC183	11.20	DN100	2.53262	0.02	0.30			N57	NC226	6.86	DN100	2.76234	0.01	0.33		
N32	NC184	3.84	DN100	-2.53262	-0.01	-0.30			N57	NC227	8.07	DN100	-2.76234	-0.01	-0.33		
N33	NC185	11.17	DN100	2.60262	0.02	0.31			N58	NT74	15.12	DN100	-1.74972	-0.01	-0.21		
N33	NC186	3.89	DN100	-2.60262	-0.01	-0.31			N59	NT73	1.43	DN100	-4.54706	-0.01	-0.55		Vel.< 0.3 m/s
N34	NC187	11.27	DN100	2.67262	0.02	0.32			N59	NT74	13.44	DN100	4.54706	0.05	0.55		
N34	NC188	3.84	DN100	-2.67262	-0.01	-0.32			N60	NC211	5.54	DN100	1.18562	0.00	0.14		Vel.< 0.3 m/s
N35	N36	29.97	DN100	-6.82494	-0.24	-0.82			N60	NC212	9.39	DN100	-1.18562	-0.00	-0.14		
N35	NT56	11.57	DN100	6.82494	0.09	0.82			N61	NT72	20.58	DN100	-6.29933	-0.14	-0.76		
N36	NC193	24.37	DN100	-6.82494	-0.19	-0.82			N61	NT73	28.62	DN100	6.29932	0.20	0.76		
N37	NC193	5.64	DN100	7.16694	0.05	0.86			N62	NC209	5.13	DN100	1.11562	0.00	0.13		Vel.< 0.3 m/s
N37	NT68	6.64	DN100	-7.16694	-0.06	-0.86			N62	NC210	9.54	DN100	-1.11562	-0.00	-0.13		
N38	NC181	25.31	DN100	-2.10022	-0.02	-0.25		Vel.< 0.3 m/s	N63	N64	30.01	DN100	6.68944	0.23	0.80		
N39	NT65	11.16	DN100	-14.49979	-0.35	-1.74			N63	NT63	14.40	DN100	-6.68944	-0.11	-0.80		
N40	NC249	4.28	DN100	4.24984	0.01	0.51			N64	NT64	5.16	DN100	6.68944	0.04	0.80		
N40	NC250	12.31	DN100	-4.24984	-0.04	-0.51			N65	NC203	26.65	DN100	-9.40307	-0.38	-1.13		
N41	NC251	1.65	DN100	4.31984	0.01	0.52			N65	NT71	24.96	DN100	9.40307	0.36	1.13		
N41	NC252	14.84	DN100	-4.31984	-0.05	-0.52			N66	NT61	31.89	DN100	-3.91819	-0.09	-0.47		
N42	NC252	14.62	DN100	4.35484	0.05	0.52			N66	NT62	18.12	DN100	3.91819	0.05	0.47		
N42	NC253	1.62	DN100	-4.35484	-0.01	-0.52			N67	NC200	13.49	DN100	8.36733	0.16	1.00		
N43	NC254	11.88	DN100	4.42484	0.04	0.53			N67	NC201	1.64	DN100	-8.36733	-0.02	-1.00		
N43	NC255	4.37	DN100	-4.42484	-0.02	-0.53			N68	NC202	13.51	DN100	8.43733	0.16	1.01		
N44	NC256	9.37	DN100	4.49484	0.04	0.54			N68	NT70	1.58	DN100	-8.43733	-0.02	-1.01		
N44	NC257	6.85	DN100	-4.49484	-0.03	-0.54			N69	N70	28.09	DN100	1.76172	0.02	0.21		
N45	NC258	6.77	DN100	4.56484	0.03	0.55			N69	NC190	58.73	DN100	-1.76172	-0.04	-0.21		Vel.< 0.3 m/s
N45	NC259	9.53	DN100	-4.56484	-0.04	-0.55			N70	NT59	7.59	DN100	1.76172	0.01	0.21		
N46	NC260	4.16	DN100	4.63484	0.02	0.56			N71	N72	30.00	DN100	-1.82853	-0.02	-0.22		Vel.< 0.3 m/s
N46	NC261	20.56	DN100	-4.63484	-0.08	-0.56			N72	NC263	2.39	DN100	-1.82853	-0.00	-0.22		
N47	NT76	9.30	DN100	-4.66984	-0.04	-0.56			N73	NT45	26.53	DN100	3.58407	0.07	0.43		
N47	NT78	34.62	DN100	4.66984	0.14	0.56			N73	NT51	23.37	DN100	-3.58407	-0.06	-0.43		
N48	NC229	1.91	DN100	4.87843	0.01	0.59			N74	NT39	8.73	DN100	5.91071	0.05	0.71		
N48	NC230	14.38	DN100	-4.87842	-0.06	-0.59			N74	NT45	3.49	DN100	-5.91071	-0.02	-0.71		
N49	NC230	14.58	DN100	4.91342	0.06	0.59			N75	NC163	2.74	DN100	1.80804	0.00	0.22		Vel.< 0.3 m/s
N49	NC231	2.43	DN100	-4.91343	-0.01	-0.59			N75	NC164	12.08	DN100	-1.80804	-0.01	-0.22		
N50	NC232	11.20	DN100	4.98342	0.05	0.60			N76	NC165	2.78	DN100	1.87804	0.00	0.23		Vel.< 0.3 m/s
N50	NC233	5.43	DN100	-4.98342	-0.02	-0.60			N76	NC166	12.20	DN100	-1.87804	-0.01	-0.23		
N51	NC234	7.91	DN100	5.05342	0.04	0.61			N77	NC167	2.95	DN100	1.94804	0.00	0.23		Vel.< 0.3 m/s
N51	NC235	8.78	DN100	-5.05342	-0.04	-0.61			N77	NC168	12.23	DN100	-1.94804	-0.01	-0.23		
N52	NC236	4.59	DN100	5.12343	0.02	0.61			N78	NC171	2.95	DN100	2.08804	0.00	0.25		Vel.< 0.3 m/s
N52	NT75	20.73	DN100	-5.12342	-0.10	-0.61			N78	NT52	10.07	DN100	-2.08804	-0.01	-0.25		
N53	NT75	9.20	DN100	-14.85029	-0.31	-1.78			N79	N80	26.94	DN100	-5.41690	-0.14	-0.65		
N54	NC220	6.39	DN100	2.55234	0.01	0.31			N79	NT47	5.52	DN100	5.41690	0.03	0.65		
N54	NC221	8.67	DN100	-2.55234	-0.01	-0.31			N80	NT53	16.54	DN100	-5.41690	-0.09	-0.65		
N55	NC222	6.58	DN100	2.62234	0.01	0.31			N81	N82	30.00	DN100	-7.20413	-0.26	-0.86		

N81	NT53	13.46	DN100	7.20414	0.12	0.86			NC40	NT15	8.98	DN100	2.29307	0.01	0.28	Vel.< 0.3 m/s
N83	NC177	6.22	DN100	-1.62974	-0.00	-0.20	Vel.< 0.3 m/s		NC41	NC42	40.07	DN100	-1.06601	-0.01	-0.13	Vel.< 0.3 m/s
N83	NC178	8.76	DN100	1.62974	0.01	0.20	Vel.< 0.3 m/s		NC41	NT5	8.82	DN100	0.40101	0.00	0.05	Vel.< 0.3 m/s
N84	NC175	6.37	DN100	-1.69974	-0.00	-0.20	Vel.< 0.3 m/s		NC42	NC43	8.40	DN100	-1.73101	-0.01	-0.21	Vel.< 0.3 m/s
N84	NC176	8.73	DN100	1.69974	0.01	0.20	Vel.< 0.3 m/s		NC43	NC44	38.81	DN100	-2.39601	-0.05	-0.29	Vel.< 0.3 m/s
N85	NC19	21.43	DN250	-6.27485	-0.00	-0.12	Vel.< 0.3 m/s		NC44	NT15	9.18	DN100	-3.06101	-0.02	-0.37	
N85	NT1	6.90	DN250	6.27485	0.00	0.12	Vel.< 0.3 m/s		NC45	NC46	39.50	DN100	-0.97640	-0.01	-0.12	Vel.< 0.3 m/s
N86	NC11	16.46	DN100	-0.52242	-0.00	-0.06	Vel.< 0.3 m/s		NC45	NT6	11.19	DN100	0.15390	0.00	0.02	Vel.< 0.3 m/s
N86	NC12	43.73	DN100	0.52242	0.00	0.06	Vel.< 0.3 m/s		NC46	NC47	7.20	DN100	-1.79891	-0.01	-0.22	Vel.< 0.3 m/s
NC1	NC2	6.20	DN100	6.68012	0.05	0.80			NC47	NC48	40.77	DN100	-2.62140	-0.06	-0.31	
NC2	NC3	20.17	DN100	6.40012	0.14	0.77			NC48	NT16	6.61	DN100	-3.44391	-0.02	-0.41	
NC3	NC4	10.34	DN100	6.12012	0.07	0.73			NC49	NC50	50.40	DN100	1.62608	0.03	0.20	Vel.< 0.3 m/s
NC4	NT3	8.89	DN100	5.84012	0.05	0.70			NC49	NT16	9.65	DN100	-2.44858	-0.01	-0.29	Vel.< 0.3 m/s
NC5	NC6	19.26	DN100	4.43001	0.07	0.53			NC50	NC51	17.19	DN100	0.80358	0.00	0.10	Vel.< 0.3 m/s
NC5	NT4	15.87	DN100	-5.09501	-0.07	-0.61			NC51	NC52	45.91	DN100	-0.01892	-0.00	-0.00	Vel.< 0.3 m/s
NC6	NC7	32.83	DN100	3.76501	0.09	0.45			NC52	NT17	6.56	DN100	-0.84142	-0.00	-0.10	Vel.< 0.3 m/s
NC7	NC8	25.40	DN100	3.10001	0.05	0.37			NC53	NC54	24.62	DN100	5.88235	0.15	0.71	
NC9	NT6	10.76	DN100	-2.98992	-0.02	-0.36			NC53	NT19	5.16	DN100	-6.45985	-0.04	-0.78	
NC10	NC11	9.44	DN100	1.34492	0.00	0.16	Vel.< 0.3 m/s		NC54	NC55	3.62	DN100	5.30485	0.02	0.64	
NC12	NT7	6.17	DN100	-0.30008	-0.00	-0.04	Vel.< 0.3 m/s		NC55	NC56	21.34	DN100	4.72735	0.09	0.57	
NC14	NC15	8.39	DN100	-1.94508	-0.01	-0.23	Vel.< 0.3 m/s		NC56	NT20	1.26	DN100	4.14985	0.00	0.50	
NC15	NC16	38.52	DN100	-2.76758	-0.06	-0.33			NC57	NC72	31.20	DN100	-0.96301	-0.01	-0.12	Vel.< 0.3 m/s
NC17	NC18	37.56	DN200	61.48018	0.61	1.89			NC57	NT21	1.09	DN100	0.38551	0.00	0.05	Vel.< 0.3 m/s
NC17	NT8	24.61	DN200	-68.48019	-0.49	-2.10			NC58	NC59	51.60	DN100	2.74393	0.08	0.33	
NC18	NT9	33.27	DN200	54.48019	0.43	1.67			NC58	NT23	27.48	DN100	-3.16393	-0.05	-0.38	
NC19	NC20	63.32	DN250	-13.27486	-0.02	-0.26	Vel.< 0.3 m/s		NC60	NT24	5.22	DN100	1.90393	0.00	0.23	Vel.< 0.3 m/s
NC20	NT9	27.10	DN250	-20.27487	-0.02	-0.40			NC61	NT25	28.29	DN100	-0.42593	-0.00	-0.05	Vel.< 0.3 m/s
NC21	NT2	13.61	DN100	0.68527	0.00	0.08	Vel.< 0.3 m/s		NC61	NT26	97.13	DN100	-0.30907	-0.00	-0.04	Vel.< 0.3 m/s
NC22	NC23	5.80	DN100	-1.24527	-0.00	-0.15	Vel.< 0.3 m/s		NC62	NC63	80.65	DN250	8.04947	0.01	0.16	Vel.< 0.3 m/s
NC24	NT10	3.68	DN100	-1.80527	-0.00	-0.22	Vel.< 0.3 m/s		NC63	NC64	49.85	DN250	-1.95054	-0.00	-0.04	Vel.< 0.3 m/s
NC25	NC26	32.29	DN100	6.57205	0.24	0.79			NC64	NT97	9.70	DN250	-11.95054	-0.00	-0.24	Vel.< 0.3 m/s
NC25	NT10	3.97	DN100	-6.85205	-0.03	-0.82			NC65	NC66	89.95	DN250	-26.46731	-0.11	-0.52	
NC26	NC27	5.43	DN100	6.29205	0.04	0.76			NC65	NT97	42.30	DN250	19.46731	0.03	0.38	
NC27	NC28	19.92	DN100	6.01205	0.13	0.72			NC66	NC67	19.78	DN250	-33.46733	-0.04	-0.66	
NC28	NT11	5.69	DN100	5.73205	0.03	0.69			NC67	NT57	47.42	DN250	-33.61732	-0.09	-0.66	
NC29	NC30	39.03	DN100	0.17303	0.00	0.02	Vel.< 0.3 m/s		NC68	NT19	13.65	DN100	-1.03870	-0.00	-0.12	Vel.< 0.3 m/s
NC29	NT3	8.30	DN100	-0.45303	-0.00	-0.05	Vel.< 0.3 m/s		NC71	NT27	11.88	DN100	-1.27130	-0.00	-0.15	Vel.< 0.3 m/s
NC30	NC31	9.30	DN100	-0.10697	-0.00	-0.01	Vel.< 0.3 m/s		NC72	NC73	14.24	DN100	-1.54051	-0.01	-0.18	Vel.< 0.3 m/s
NC31	NC32	34.11	DN100	-0.38697	-0.00	-0.05	Vel.< 0.3 m/s		NC73	NC74	52.76	DN100	-2.11801	-0.05	-0.25	Vel.< 0.3 m/s
NC32	NT12	9.59	DN100	-0.66697	-0.00	-0.08	Vel.< 0.3 m/s		NC74	NT28	11.65	DN100	-2.69551	-0.02	-0.32	
NC33	NT4	14.20	DN100	-0.29208	-0.00	-0.04	Vel.< 0.3 m/s		NC75	NC76	24.83	DN100	-1.30449	-0.01	-0.16	Vel.< 0.3 m/s
NC34	NC35	8.91	DN100	-1.03792	-0.00	-0.12	Vel.< 0.3 m/s		NC75	NT22	10.93	DN100	0.88449	0.00	0.11	Vel.< 0.3 m/s
NC36	NT13	5.11	DN100	-2.36793	-0.01	-0.28	Vel.< 0.3 m/s		NC76	NC77	41.44	DN100	-1.72449	-0.03	-0.21	Vel.< 0.3 m/s
NC37	NT14	7.31	DN100	2.03215	0.01	0.24	Vel.< 0.3 m/s		NC78	NT29	11.09	DN100	-2.56449	-0.02	-0.31	
NC38	NC39	6.39	DN100	3.62307	0.02	0.43			NC79	NC80	35.36	DN100	-2.88599	-0.06	-0.35	
NC38	NT14	28.10	DN100	-4.28807	-0.10	-0.51			NC79	NT24	9.36	DN100	2.46599	0.01	0.30	Vel.< 0.3 m/s

NC80	NC81	17.42	DN100	-3.30599	-0.04	-0.40	
NC81	NT30	10.90	DN100	-3.72599	-0.03	-0.45	
NC82	NT25	33.75	DN100	2.71644	0.05	0.33	
NC83	NC84	42.61	DN100	4.38960	0.15	0.53	
NC83	NT27	17.88	DN100	-4.96710	-0.08	-0.60	
NC84	NC85	10.37	DN100	3.81210	0.03	0.46	
NC85	NC86	35.23	DN100	3.23460	0.07	0.39	
NC86	NT28	7.25	DN100	2.65710	0.01	0.32	
NC87	NC88	18.57	DN100	3.04286	0.03	0.37	
NC87	NT29	26.86	DN100	-3.46286	-0.06	-0.42	
NC88	NC89	22.60	DN100	2.62286	0.03	0.31	
NC89	NC90	13.93	DN100	2.20286	0.01	0.26	Vel.< 0.3 m/s
NC90	NT30	25.41	DN100	1.78286	0.02	0.21	Vel.< 0.3 m/s
NC91	NT31	23.26	DN100	-1.54968	-0.01	-0.19	Vel.< 0.3 m/s
NC91	NT32	107.19	DN100	0.81468	0.02	0.10	Vel.< 0.3 m/s
NC92	NC93	10.54	DN100	3.59704	0.03	0.43	
NC92	NT33	4.91	DN100	-3.61454	-0.01	-0.43	
NC93	NC94	14.91	DN100	3.56204	0.04	0.43	
NC94	NC95	14.90	DN100	3.52704	0.04	0.42	
NC95	NC96	15.09	DN100	3.49204	0.04	0.42	
NC96	NC97	15.08	DN100	3.45704	0.04	0.41	
NC97	NC98	15.10	DN100	3.42204	0.03	0.41	
NC98	NC99	14.99	DN100	3.38704	0.03	0.41	
NC99	NT34	13.03	DN100	3.35204	0.03	0.40	
NC100	NC101	10.07	DN100	2.80072	0.02	0.34	
NC100	NT35	10.45	DN100	-2.81822	-0.02	-0.34	
NC101	NC102	15.08	DN100	2.76572	0.02	0.33	
NC103	NC104	15.24	DN100	2.69572	0.02	0.32	
NC105	NC106	14.82	DN100	0.12572	0.00	0.02	Vel.< 0.3 m/s
NC106	NT36	11.82	DN100	0.09072	0.00	0.01	Vel.< 0.3 m/s
NC107	NC108	15.01	DN100	0.64309	0.00	0.08	Vel.< 0.3 m/s
NC107	NT37	12.94	DN100	-0.67809	-0.00	-0.08	Vel.< 0.3 m/s
NC108	NC109	15.05	DN100	0.60809	0.00	0.07	Vel.< 0.3 m/s
NC109	NC110	15.23	DN100	0.57309	0.00	0.07	Vel.< 0.3 m/s
NC110	NC111	14.90	DN100	0.53809	0.00	0.06	Vel.< 0.3 m/s
NC111	NC112	14.93	DN100	0.50309	0.00	0.06	Vel.< 0.3 m/s
NC112	NC113	14.85	DN100	0.46809	0.00	0.06	Vel.< 0.3 m/s
NC113	NC114	12.54	DN100	0.43309	0.00	0.05	Vel.< 0.3 m/s
NC114	NT38	12.09	DN100	0.41559	0.00	0.05	Vel.< 0.3 m/s
NC115	NC116	15.06	DN100	3.53954	0.04	0.42	
NC117	NC118	15.00	DN100	3.46954	0.04	0.42	
NC119	NC120	15.01	DN100	3.39954	0.03	0.41	
NC121	NC122	14.98	DN100	3.32954	0.03	0.40	
NC123	NC124	10.11	DN100	2.40866	0.01	0.29	Vel.< 0.3 m/s
NC123	NT41	10.42	DN100	-2.42616	-0.01	-0.29	Vel.< 0.3 m/s
NC124	NC125	15.08	DN100	2.37366	0.02	0.28	Vel.< 0.3 m/s

NC126	NC127	14.82	DN100	2.30366	0.02	0.28	Vel.< 0.3 m/s
NC128	NC129	14.91	DN100	2.23366	0.02	0.27	Vel.< 0.3 m/s
NC129	NT42	11.79	DN100	2.19866	0.01	0.26	Vel.< 0.3 m/s
NC130	NC131	15.12	DN100	0.46458	0.00	0.06	Vel.< 0.3 m/s
NC130	NT43	13.07	DN100	-0.49958	-0.00	-0.06	Vel.< 0.3 m/s
NC132	NC133	14.98	DN100	0.39458	0.00	0.05	Vel.< 0.3 m/s
NC134	NC135	15.00	DN100	0.32458	0.00	0.04	Vel.< 0.3 m/s
NC136	NC137	13.25	DN100	0.25458	0.00	0.03	Vel.< 0.3 m/s
NC137	NT44	10.07	DN100	0.23708	0.00	0.03	Vel.< 0.3 m/s
NC138	NC139	14.93	DN100	-2.36164	-0.02	-0.28	Vel.< 0.3 m/s
NC138	NT45	8.36	DN100	2.32664	0.01	0.28	Vel.< 0.3 m/s
NC139	NC140	15.08	DN100	-2.39664	-0.02	-0.29	Vel.< 0.3 m/s
NC140	NC141	15.08	DN100	-2.43164	-0.02	-0.29	Vel.< 0.3 m/s
NC141	NC142	14.90	DN100	-2.46664	-0.02	-0.30	Vel.< 0.3 m/s
NC142	NC143	14.89	DN100	-2.50164	-0.02	-0.30	
NC143	NC144	15.11	DN100	-2.53664	-0.02	-0.30	
NC144	NC145	15.10	DN100	-2.57164	-0.02	-0.31	
NC145	NC146	15.15	DN100	-2.60664	-0.02	-0.31	
NC146	NT46	13.00	DN100	-2.64164	-0.02	-0.32	
NC147	NC148	11.73	DN100	0.73582	0.00	0.09	Vel.< 0.3 m/s
NC147	NT47	8.80	DN100	-0.75332	-0.00	-0.09	Vel.< 0.3 m/s
NC148	NC149	15.01	DN100	0.70082	0.00	0.08	Vel.< 0.3 m/s
NC149	NC150	14.96	DN100	0.66582	0.00	0.08	Vel.< 0.3 m/s
NC150	NC151	15.08	DN100	0.63082	0.00	0.08	Vel.< 0.3 m/s
NC151	NC152	15.11	DN100	0.59582	0.00	0.07	Vel.< 0.3 m/s
NC152	NC153	14.82	DN100	0.56082	0.00	0.07	Vel.< 0.3 m/s
NC153	NT48	11.83	DN100	0.52582	0.00	0.06	Vel.< 0.3 m/s
NC154	NC155	12.73	DN100	-0.56410	-0.00	-0.07	Vel.< 0.3 m/s
NC154	NT49	7.71	DN100	0.54660	0.00	0.07	Vel.< 0.3 m/s
NC155	NC156	14.81	DN100	-0.59910	-0.00	-0.07	Vel.< 0.3 m/s
NC156	NC157	15.12	DN100	-0.63410	-0.00	-0.08	Vel.< 0.3 m/s
NC157	NC158	14.98	DN100	-0.66910	-0.00	-0.08	Vel.< 0.3 m/s
NC158	NC159	14.92	DN100	-0.70410	-0.00	-0.08	Vel.< 0.3 m/s
NC159	NC160	15.11	DN100	-0.73910	-0.00	-0.09	Vel.< 0.3 m/s
NC160	NC161	14.99	DN100	-0.77410	-0.00	-0.09	Vel.< 0.3 m/s
NC161	NT50	15.50	DN100	-0.80910	-0.00	-0.10	Vel.< 0.3 m/s
NC162	NC163	13.11	DN100	-1.77304	-0.01	-0.21	Vel.< 0.3 m/s
NC162	NT51	13.79	DN100	1.75554	0.01	0.21	Vel.< 0.3 m/s
NC164	NC165	15.15	DN100	-1.84304	-0.01	-0.22	Vel.< 0.3 m/s
NC166	NC167	14.86	DN100	-1.91304	-0.01	-0.23	Vel.< 0.3 m/s
NC168	NC169	15.00	DN100	-1.98304	-0.01	-0.24	Vel.< 0.3 m/s
NC170	NC171	14.72	DN100	-2.05304	-0.01	-0.25	Vel.< 0.3 m/s
NC172	NT52	11.43	DN100	4.72968	0.05	0.57	
NC172	NT60	66.00	DN100	-5.23968	-0.33	-0.63	
NC173	NC174	10.89	DN100	1.76974	0.01	0.21	Vel.< 0.3 m/s
NC173	NT53	9.66	DN100	-1.78724	-0.01	-0.21	Vel.< 0.3 m/s

NC174	NC175	15.17	DN100	1.73474	0.01	0.21	Vel.< 0.3 m/s	NC227	NT74	7.89	DN100	-2.79734	-0.01	-0.34	
NC176	NC177	15.06	DN100	1.66474	0.01	0.20	Vel.< 0.3 m/s	NC228	NC229	16.18	DN100	-4.84342	-0.07	-0.58	
NC178	NC179	14.94	DN100	1.59474	0.01	0.19	Vel.< 0.3 m/s	NC228	NT66	13.53	DN100	4.82592	0.06	0.58	
NC179	NT54	11.53	DN100	1.55974	0.01	0.19	Vel.< 0.3 m/s	NC231	NC232	16.69	DN100	-4.94842	-0.07	-0.59	
NC180	NT54	10.13	DN100	3.16247	0.02	0.38		NC233	NC234	16.63	DN100	-5.01842	-0.08	-0.60	
NC180	NT64	67.07	DN100	-3.47447	-0.16	-0.42		NC235	NC236	16.64	DN100	-5.08842	-0.08	-0.61	
NC182	NC183	11.28	DN100	-2.49762	-0.01	-0.30	Vel.< 0.3 m/s	NC237	NC238	14.96	DN100	-5.36890	-0.08	-0.64	
NC182	NT55	9.25	DN100	2.48012	0.01	0.30	Vel.< 0.3 m/s	NC237	NT67	12.82	DN100	5.33390	0.07	0.64	
NC184	NC185	14.99	DN100	-2.56762	-0.02	-0.31		NC238	NC239	14.97	DN100	-5.40390	-0.08	-0.65	
NC186	NC187	14.86	DN100	-2.63762	-0.02	-0.32		NC239	NC240	15.07	DN100	-5.43890	-0.08	-0.65	
NC188	NC189	14.99	DN100	-2.70762	-0.02	-0.32		NC240	NC241	14.91	DN100	-5.47390	-0.08	-0.66	
NC189	NT56	10.84	DN100	-2.74262	-0.02	-0.33		NC241	NC242	14.82	DN100	-5.50890	-0.08	-0.66	
NC190	NC191	29.77	DN100	-1.77922	-0.02	-0.21	Vel.< 0.3 m/s	NC242	NC243	15.02	DN100	-5.54390	-0.08	-0.67	
NC191	NT60	27.49	DN100	-1.81422	-0.02	-0.22	Vel.< 0.3 m/s	NC243	NC244	14.96	DN100	-5.57890	-0.08	-0.67	
NC192	NT61	12.22	DN100	-7.51614	-0.12	-0.90		NC244	NC245	14.96	DN100	-5.61390	-0.08	-0.67	
NC194	NC195	22.66	DN100	-5.93816	-0.14	-0.71		NC245	NC246	14.93	DN100	-5.64890	-0.08	-0.68	
NC194	NT59	34.25	DN100	5.90316	0.21	0.71		NC246	NC247	15.15	DN100	-5.68390	-0.09	-0.68	
NC195	NC196	15.01	DN100	-5.97316	-0.09	-0.72		NC247	NC248	14.68	DN100	-5.71890	-0.09	-0.69	
NC196	NC197	14.88	DN100	-6.00816	-0.09	-0.72		NC248	NT76	6.24	DN100	-5.75390	-0.04	-0.69	
NC197	NC198	15.08	DN100	-6.04316	-0.10	-0.73		NC249	NT68	21.13	DN100	4.21484	0.07	0.51	
NC199	NC262	16.69	DN100	-10.19089	-0.28	-1.22		NC253	NC254	16.59	DN100	-4.38984	-0.06	-0.53	
NC199	NT60	29.17	DN100	10.15589	0.48	1.22		NC255	NC256	16.31	DN100	-4.45984	-0.06	-0.54	
NC200	NT61	12.58	DN100	8.33233	0.14	1.00		NC257	NC258	16.39	DN100	-4.52984	-0.06	-0.54	
NC201	NC202	14.89	DN100	-8.40233	-0.17	-1.01		NC259	NC260	16.33	DN100	-4.59984	-0.06	-0.55	
NC203	NT70	0.87	DN100	-9.43809	-0.01	-1.13		NC261	NT79	7.52	DN100	-4.66984	-0.03	-0.56	
NC204	NC205	17.32	DN100	-1.76063	-0.01	-0.21	Vel.< 0.3 m/s	NC262	NT69	2.12	DN100	-10.22590	-0.04	-1.23	
NC204	NT62	24.58	DN100	1.72563	0.02	0.21	Vel.< 0.3 m/s	NC263	NT58	3.32	DN100	-2.33853	-0.00	-0.28	Vel.< 0.3 m/s
NC205	NC206	17.34	DN100	-1.79563	-0.01	-0.22	Vel.< 0.3 m/s	NT1	NT2	41.50	DN150	6.27485	0.04	0.34	
NC206	NC207	17.29	DN100	-1.83063	-0.01	-0.22	Vel.< 0.3 m/s	NT3	NT4	27.71	DN100	5.38709	0.14	0.65	
NC207	NT71	13.38	DN100	-1.86563	-0.01	-0.22	Vel.< 0.3 m/s	NT5	NT6	15.71	DN100	2.83602	0.03	0.34	
NC208	NC209	14.91	DN100	-1.08062	-0.00	-0.13	Vel.< 0.3 m/s	NT8	SG1	137.03	DN200	-68.48012	-2.72	-2.10	
NC208	NT63	12.76	DN100	1.04562	0.00	0.13	Vel.< 0.3 m/s	NT9	NT10	25.53	DN150	8.65732	0.05	0.47	
NC210	NC211	15.32	DN100	-1.15062	-0.01	-0.14	Vel.< 0.3 m/s	NT9	NT18	38.82	DN250	25.54803	0.04	0.50	
NC212	NC213	12.05	DN100	-1.22062	-0.00	-0.15	Vel.< 0.3 m/s	NT11	NT12	8.69	DN100	5.73205	0.05	0.69	
NC213	NT72	8.79	DN100	-1.23812	-0.00	-0.15	Vel.< 0.3 m/s	NT12	NT13	25.40	DN100	5.06508	0.12	0.61	
NC214	NC215	16.79	DN100	-1.59477	-0.01	-0.19	Vel.< 0.3 m/s	NT14	NT23	37.00	DN100	-2.25592	-0.04	-0.27	Vel.< 0.3 m/s
NC214	NT64	22.86	DN100	1.55977	0.01	0.19	Vel.< 0.3 m/s	NT15	NT16	15.70	DN100	2.41612	0.02	0.29	Vel.< 0.3 m/s
NC215	NC216	17.28	DN100	-1.62977	-0.01	-0.20	Vel.< 0.3 m/s	NT15	NT24	40.35	DN100	-3.18407	-0.08	-0.38	
NC216	NC217	16.70	DN100	-1.66477	-0.01	-0.20	Vel.< 0.3 m/s	NT16	NT25	40.35	DN100	-3.47636	-0.10	-0.42	
NC217	NC218	16.85	DN100	-1.69977	-0.01	-0.20	Vel.< 0.3 m/s	NT17	NT26	38.84	DN100	-4.43151	-0.14	-0.53	
NC218	NC219	16.58	DN100	-1.73477	-0.01	-0.21	Vel.< 0.3 m/s	NT22	NT23	11.33	DN100	5.41985	0.06	0.65	
NC219	NT73	8.66	DN100	-1.75227	-0.01	-0.21	Vel.< 0.3 m/s	NT24	NT25	15.70	DN100	1.18585	0.01	0.14	Vel.< 0.3 m/s
NC220	NT65	12.78	DN100	2.51734	0.02	0.30		NT26	NT32	22.79	DN100	-4.74058	-0.09	-0.57	
NC221	NC222	14.79	DN100	-2.58734	-0.02	-0.31		NT27	NT33	15.31	DN100	1.27837	0.01	0.15	Vel.< 0.3 m/s
NC223	NC224	15.10	DN100	-2.65734	-0.02	-0.32		NT27	NT97	25.95	DN150	-7.51677	-0.04	-0.41	
NC225	NC226	14.93	DN100	-2.72734	-0.02	-0.33		NT28	NT29	25.40	DN100	4.70218	0.10	0.56	

NT28	NT34	14.40	DN100	-4.74059	-0.06	-0.57	
NT29	NT35	14.40	DN100	-1.32518	-0.01	-0.16	Vel.< 0.3 m/s
NT30	NT31	14.40	DN100	2.26434	0.02	0.27	Vel.< 0.3 m/s
NT30	NT36	14.40	DN100	-4.20746	-0.05	-0.50	
NT31	NT37	14.40	DN100	-2.73679	-0.02	-0.33	
NT32	NT38	14.69	DN100	-3.92590	-0.04	-0.47	
NT34	NT40	49.00	DN100	-1.38855	-0.02	-0.17	Vel.< 0.3 m/s
NT35	NT41	49.00	DN100	-4.14340	-0.16	-0.50	
NT36	NT42	49.00	DN100	-4.11674	-0.16	-0.49	
NT40	NT41	25.40	DN100	1.90599	0.02	0.23	Vel.< 0.3 m/s
NT41	NT47	11.40	DN100	-4.66358	-0.05	-0.56	
NT42	NT43	14.40	DN80	3.32996	0.09	0.61	
NT42	NT48	11.40	DN80	-5.24803	-0.16	-0.96	
NT43	NT49	11.40	DN100	-0.58450	-0.00	-0.07	Vel.< 0.3 m/s
NT44	NT50	11.42	DN100	-3.27323	-0.02	-0.39	
NT46	NT52	49.00	DN100	-2.64164	-0.07	-0.32	
NT48	NT54	49.00	DN100	-4.72221	-0.20	-0.57	
NT57	NT58	25.07	DN150	-5.32634	-0.02	-0.29	Vel.< 0.3 m/s
NT57	NT82	92.44	DN250	-28.29097	-0.12	-0.56	
NT58	NT59	34.49	DN100	-7.66487	-0.34	-0.92	
NT60	NT61	25.91	DN100	3.10200	0.05	0.37	
NT62	NT63	9.49	DN100	5.64382	0.05	0.68	
NT64	NT65	14.53	DN80	4.77473	0.17	0.87	
NT65	NT66	49.45	DN100	-7.20771	-0.44	-0.87	
NT66	NT67	9.42	DN100	-2.38180	-0.01	-0.29	Vel.< 0.3 m/s
NT67	NT68	53.79	DN100	2.95210	0.10	0.35	
NT69	NT81	11.78	DN100	-16.30404	-0.47	-1.96	
NT70	NT81	13.62	DN100	-17.87539	-0.64	-2.15	
NT71	NT72	9.20	DN100	7.53744	0.09	0.90	
NT75	NT80	5.95	DN100	-19.97371	-0.34	-2.40	Vel.máx.
NT76	NT80	5.95	DN100	-10.42374	-0.10	-1.25	
NT78	NT79	16.02	DN100	4.66984	0.06	0.56	
NT80	SG2	30.07	DN150	-30.39744	-0.53	-1.64	
NT81	SG3	38.53	DN150	-34.17943	-0.85	-1.85	
NT82	NT83	29.12	DN250	-28.29098	-0.04	-0.56	
NT83	NT84	34.65	DN250	-28.29098	-0.05	-0.56	
NT84	NT85	26.41	DN250	-28.29098	-0.04	-0.56	
NT85	NT86	185.68	DN250	-28.29096	-0.25	-0.56	
NT86	NT87	82.40	DN250	-28.29097	-0.11	-0.56	
NT87	NT89	23.72	DN250	-28.29098	-0.03	-0.56	
NT89	NT90	59.94	DN250	-28.29097	-0.08	-0.56	
NT90	NT91	88.50	DN250	-28.29097	-0.12	-0.56	
NT91	NT92	102.27	DN250	-28.29097	-0.14	-0.56	
NT92	NT93	39.08	DN250	-28.29098	-0.05	-0.56	
NT93	NT94	27.64	DN250	-28.29098	-0.04	-0.56	
NT94	SG4	16.46	DN250	-28.29099	-0.02	-0.56	

Combinaciones: H1+H6

Inicio	Final	Longitud m	Diámetros mm	Caudal l/s	Périd. m.c.a.	Velocidad m/s	Coment.
BR39	NC39	25.31	DN100	-1.52956	-0.01	-0.18	Vel.< 0.3 m/s
BR39	NC40	20.66	DN100	1.52956	0.01	0.18	Vel.< 0.3 m/s
BR48	NT21	7.01	DN100	-7.40172	-0.06	-0.89	
BR48	NT22	18.49	DN100	7.40172	0.17	0.89	
BR52	NC59	11.31	DN100	0.87128	0.00	0.10	Vel.< 0.3 m/s
BR52	NC60	9.90	DN100	-0.87128	-0.00	-0.10	Vel.< 0.3 m/s
BR64	NC104	12.64	DN100	-0.94155	-0.00	-0.11	Vel.< 0.3 m/s
BR64	NC105	2.50	DN100	-1.55845	-0.00	-0.19	Vel.< 0.3 m/s
BR65	NC102	12.59	DN100	-1.01155	-0.00	-0.12	Vel.< 0.3 m/s
BR65	NC103	2.17	DN100	1.01155	0.00	0.12	Vel.< 0.3 m/s
BR88	NC127	11.50	DN100	-0.38987	-0.00	-0.05	Vel.< 0.3 m/s
BR88	NC128	3.49	DN100	0.38987	0.00	0.05	Vel.< 0.3 m/s
BR89	NC125	11.53	DN100	-0.45987	-0.00	-0.06	Vel.< 0.3 m/s
BR89	NC126	3.70	DN100	0.45987	0.00	0.06	Vel.< 0.3 m/s
BR92	NC120	7.89	DN100	-3.20168	-0.02	-0.38	
BR92	NC121	7.07	DN100	3.20168	0.01	0.38	
BR93	NC118	8.00	DN100	-3.27168	-0.02	-0.39	
BR93	NC119	7.14	DN100	3.27168	0.02	0.39	
BR99	H9	21.39	DN100	-1.32800	-0.01	-0.16	Vel.< 0.3 m/s
BR99	NT51	6.66	DN100	1.32800	0.00	0.16	Vel.< 0.3 m/s
BR107	NC181	4.70	DN100	-7.92194	-0.05	-0.95	
BR107	NT55	6.01	DN100	7.92194	0.06	0.95	
BR115	NC169	2.77	DN100	3.20102	0.01	0.38	
BR115	NC170	12.41	DN100	-3.20102	-0.03	-0.38	
H1	NC1	9.98	DN100	2.87164	0.02	0.34	
H1	NT2	10.61	DN100	-19.47164	-0.58	-2.34	Vel.máx.
H2	NC8	18.03	DN100	-1.16457	-0.01	-0.14	Vel.< 0.3 m/s
H2	NT5	5.47	DN100	1.16457	0.00	0.14	Vel.< 0.3 m/s
H3	NC13	5.44	DN100	-0.72838	-0.00	-0.09	Vel.< 0.3 m/s
H3	NT7	3.12	DN100	0.72838	0.00	0.09	Vel.< 0.3 m/s
H4	NC62	31.11	DN250	8.82504	0.01	0.17	Vel.< 0.3 m/s
H4	NT18	7.10	DN250	-8.82504	-0.00	-0.17	Vel.< 0.3 m/s
H5	N11	28.66	DN100	-1.61585	-0.02	-0.19	Vel.< 0.3 m/s
H5	N12	2.54	DN100	1.61585	0.00	0.19	Vel.< 0.3 m/s
H6	NC77	7.27	DN100	-4.21863	-0.02	-0.51	
H6	NC78	15.27	DN100	-12.38138	-0.36	-1.49	
H7	N10	13.86	DN100	5.20703	0.07	0.62	
H7	NT31	15.24	DN100	-5.20703	-0.07	-0.62	
H8	N23	27.84	DN100	7.16578	0.24	0.86	
H8	N24	2.91	DN100	-7.16579	-0.03	-0.86	
H9	N71	8.63	DN100	-1.32800	-0.00	-0.16	Vel.< 0.3 m/s
H10	N82	6.56	DN100	8.43672	0.08	1.01	

H10	NC192	15.26	DN100	-8.43672	-0.18	-1.01		N22	NT40	5.05	DN100	3.13168	0.01	0.38	
H11	N38	25.00	DN100	8.26394	0.28	0.99		N23	NT38	4.65	DN100	7.16579	0.04	0.86	
H11	N39	5.06	DN100	-8.26394	-0.06	-0.99		N24	NT44	13.63	DN100	-7.16579	-0.12	-0.86	
H12	NC198	7.06	DN100	6.85726	0.06	0.82		N25	NC135	8.58	DN100	0.39108	0.00	0.05	Vel.< 0.3 m/s
H12	NT69	34.08	DN100	-6.85726	-0.27	-0.82		N25	NC136	6.36	DN100	-0.39108	-0.00	-0.05	Vel.< 0.3 m/s
H13	NC250	6.92	DN100	3.89259	0.02	0.47		N26	NC133	8.63	DN100	0.32108	0.00	0.04	Vel.< 0.3 m/s
H13	NC251	9.77	DN100	-3.89259	-0.03	-0.47		N26	NC134	6.43	DN100	-0.32108	-0.00	-0.04	Vel.< 0.3 m/s
H14	N53	22.21	DN100	-7.29343	-0.20	-0.88		N27	NC131	8.59	DN100	0.25108	0.00	0.03	Vel.< 0.3 m/s
H14	N58	8.16	DN100	7.29343	0.07	0.88		N27	NC132	6.40	DN100	-0.25108	-0.00	-0.03	Vel.< 0.3 m/s
N1	NC23	28.40	DN100	3.90427	0.08	0.47		N28	NT37	22.80	DN100	7.12036	0.20	0.85	
N1	NC24	15.62	DN100	-3.90427	-0.05	-0.47		N28	NT43	26.20	DN100	-7.12036	-0.23	-0.85	
N2	NC21	11.08	DN100	3.34427	0.02	0.40		N29	N30	26.90	DN100	-7.80991	-0.27	-0.94	
N2	NC22	24.47	DN100	-3.34427	-0.05	-0.40		N29	NT50	4.00	DN100	7.80991	0.04	0.94	
N3	NC33	21.20	DN100	1.12385	0.01	0.13	Vel.< 0.3 m/s	N30	NT56	18.31	DN100	-7.80991	-0.19	-0.94	
N3	NC34	12.38	DN100	-1.12385	-0.00	-0.13	Vel.< 0.3 m/s	N31	NT49	24.01	DN100	7.83090	0.25	0.94	
N4	NC35	8.76	DN100	2.45385	0.01	0.29	Vel.< 0.3 m/s	N31	NT55	25.00	DN100	-7.83090	-0.26	-0.94	
N4	NC36	18.71	DN100	-2.45385	-0.02	-0.29	Vel.< 0.3 m/s	N32	NC183	11.20	DN100	-0.03854	-0.00	-0.00	Vel.< 0.3 m/s
N5	NC37	25.14	DN100	1.57020	0.01	0.19	Vel.< 0.3 m/s	N32	NC184	3.84	DN100	0.00000	0.00	0.00	Vel.< 0.3 m/s
N5	NT13	6.22	DN100	-1.57020	-0.00	-0.19	Vel.< 0.3 m/s	N33	NC185	11.17	DN100	0.03146	0.00	0.00	Vel.< 0.3 m/s
N6	NC9	49.73	DN100	-1.73912	-0.03	-0.21	Vel.< 0.3 m/s	N33	NC186	3.89	DN100	0.00000	-0.00	0.00	Vel.< 0.3 m/s
N6	NC10	4.11	DN100	1.73912	0.00	0.21	Vel.< 0.3 m/s	N34	NC187	11.27	DN100	0.10146	0.00	0.01	Vel.< 0.3 m/s
N7	N8	30.01	DN100	-1.55088	-0.02	-0.19	Vel.< 0.3 m/s	N34	NC188	3.84	DN100	-0.10146	-0.00	-0.01	Vel.< 0.3 m/s
N7	NC13	4.29	DN100	1.55088	0.00	0.19	Vel.< 0.3 m/s	N35	N36	29.97	DN100	-7.98137	-0.32	-0.96	
N8	NC14	3.43	DN100	-1.55088	-0.00	-0.19	Vel.< 0.3 m/s	N35	NT56	11.57	DN100	7.98137	0.12	0.96	
N9	NC16	9.67	DN100	4.01838	0.03	0.48		N36	NC193	24.37	DN100	-7.98137	-0.26	-0.96	
N9	NT17	9.23	DN100	-4.01838	-0.03	-0.48		N37	NC193	5.64	DN100	8.32337	0.06	1.00	
N10	NC82	3.91	DN100	5.20703	0.02	0.62		N37	NT68	6.64	DN100	-8.32337	-0.08	-1.00	
N11	NC71	1.66	DN100	-1.61585	-0.00	-0.19	Vel.< 0.3 m/s	N38	NC181	25.31	DN100	8.26394	0.29	0.99	
N12	NC70	28.65	DN100	1.61585	0.02	0.19	Vel.< 0.3 m/s	N39	NT65	11.16	DN100	-8.26394	-0.13	-0.99	
N13	NC69	9.68	DN100	1.03835	0.00	0.12	Vel.< 0.3 m/s	N40	NC249	4.28	DN100	3.85759	0.01	0.46	
N13	NC70	1.36	DN100	-1.03835	-0.00	-0.12	Vel.< 0.3 m/s	N40	NC250	12.31	DN100	-3.85759	-0.04	-0.46	
N14	N15	30.01	DN100	0.46085	0.00	0.06	Vel.< 0.3 m/s	N41	NC251	1.65	DN100	3.92759	0.00	0.47	
N14	NC69	20.34	DN100	-0.46085	-0.00	-0.06	Vel.< 0.3 m/s	N41	NC252	14.84	DN100	-3.92759	-0.04	-0.47	
N15	NC68	19.49	DN100	0.46085	0.00	0.06	Vel.< 0.3 m/s	N42	NC252	14.62	DN100	3.96259	0.04	0.48	
N16	NT20	13.46	DN100	-5.42040	-0.07	-0.65		N42	NC253	1.62	DN100	-3.96259	-0.00	-0.48	
N16	NT21	26.25	DN100	5.42040	0.14	0.65		N43	NC254	11.88	DN100	4.03259	0.04	0.48	
N17	NT18	4.50	DN100	-7.84705	-0.05	-0.94		N43	NC255	4.37	DN100	-4.03259	-0.01	-0.48	
N17	NT19	20.61	DN150	7.84705	0.03	0.42		N44	NC256	9.37	DN100	4.10259	0.03	0.49	
N18	N19	30.00	DN100	-4.24491	-0.10	-0.51		N44	NC257	6.85	DN100	-4.10259	-0.02	-0.49	
N18	NT33	1.22	DN100	4.24491	0.00	0.51		N45	NC258	6.77	DN100	4.17259	0.02	0.50	
N19	NT39	21.29	DN100	-4.24491	-0.07	-0.51		N45	NC259	9.53	DN100	-4.17259	-0.03	-0.50	
N20	NC115	7.00	DN100	3.41168	0.02	0.41		N46	NC260	4.16	DN100	4.24259	0.01	0.51	
N20	NT39	12.08	DN100	-3.41168	-0.03	-0.41		N46	NC261	20.56	DN100	-4.24258	-0.07	-0.51	
N21	NC116	7.97	DN100	-3.34168	-0.02	-0.40		N47	NT76	9.30	DN100	-4.27759	-0.03	-0.51	
N21	NC117	7.11	DN100	3.34168	0.02	0.40		N47	NT78	34.62	DN100	4.27758	0.12	0.51	
N22	NC122	7.96	DN100	-3.13168	-0.02	-0.38		N48	NC229	1.91	DN100	4.51514	0.01	0.54	

N48	NC230	14.38	DN100	-4.51513	-0.05	-0.54		N74	NT45	3.49	DN100	-7.65660	-0.03	-0.92	
N49	NC230	14.58	DN100	4.55013	0.06	0.55		N75	NC163	2.74	DN100	2.99102	0.00	0.36	
N49	NC231	2.43	DN100	-4.55014	-0.01	-0.55		N75	NC164	12.08	DN100	-2.99102	-0.02	-0.36	
N50	NC232	11.20	DN100	4.62013	0.04	0.55		N76	NC165	2.78	DN100	3.06102	0.01	0.37	
N50	NC233	5.43	DN100	-4.62013	-0.02	-0.55		N76	NC166	12.20	DN100	-3.06102	-0.02	-0.37	
N51	NC234	7.91	DN100	4.69013	0.03	0.56		N77	NC167	2.95	DN100	3.13102	0.01	0.38	
N51	NC235	8.78	DN100	-4.69013	-0.04	-0.56		N77	NC168	12.23	DN100	-3.13102	-0.02	-0.38	
N52	NC236	4.59	DN100	4.76013	0.02	0.57		N78	NC171	2.95	DN100	3.27102	0.01	0.39	
N52	NT75	20.73	DN100	-4.76013	-0.09	-0.57		N78	NT52	10.07	DN100	-3.27102	-0.02	-0.39	
N53	NT75	9.20	DN100	-7.29343	-0.08	-0.88		N79	N80	26.94	DN100	-8.09171	-0.29	-0.97	
N54	NC220	6.39	DN100	3.78072	0.02	0.45		N79	NT47	5.52	DN100	8.09171	0.06	0.97	
N54	NC221	8.67	DN100	-3.78072	-0.02	-0.45		N80	NT53	16.54	DN100	-8.09171	-0.18	-0.97	
N55	NC222	6.58	DN100	3.85072	0.02	0.46		N81	N82	30.00	DN100	-8.43672	-0.35	-1.01	
N55	NC223	8.41	DN100	-3.85072	-0.02	-0.46		N81	NT53	13.46	DN100	8.43672	0.16	1.01	
N56	NC224	6.55	DN100	3.92072	0.02	0.47		N83	NC177	6.22	DN100	-0.18751	-0.00	-0.02	Vel.< 0.3 m/s
N56	NC225	8.35	DN100	-3.92072	-0.02	-0.47		N83	NC178	8.76	DN100	0.18751	0.00	0.02	Vel.< 0.3 m/s
N57	NC226	6.86	DN100	3.99072	0.02	0.48		N84	NC175	6.37	DN100	-0.25751	-0.00	-0.03	Vel.< 0.3 m/s
N57	NC227	8.07	DN100	-3.99072	-0.02	-0.48		N84	NC176	8.73	DN100	0.25751	0.00	0.03	Vel.< 0.3 m/s
N58	NT74	15.12	DN100	7.29343	0.14	0.88		N85	NC19	21.43	DN250	-16.40738	-0.01	-0.32	
N59	NT73	1.43	DN100	3.26771	0.00	0.39		N85	NT1	6.90	DN250	16.40739	0.00	0.32	
N59	NT74	13.44	DN100	-3.26771	-0.03	-0.39		N86	NC11	16.46	DN100	-0.09412	-0.00	-0.01	Vel.< 0.3 m/s
N60	NC211	5.54	DN100	3.04242	0.01	0.37		N86	NC12	43.73	DN100	0.09412	0.00	0.01	Vel.< 0.3 m/s
N60	NC212	9.39	DN100	-3.04242	-0.02	-0.37		NC1	NC2	6.20	DN100	2.59164	0.01	0.31	
N61	NT72	20.58	DN100	-0.68984	-0.00	-0.08	Vel.< 0.3 m/s	NC2	NC3	20.17	DN100	2.31164	0.02	0.28	Vel.< 0.3 m/s
N61	NT73	28.62	DN100	0.68984	0.00	0.08	Vel.< 0.3 m/s	NC3	NC4	10.34	DN100	2.03164	0.01	0.24	Vel.< 0.3 m/s
N62	NC209	5.13	DN100	2.97242	0.01	0.36		NC4	NT3	8.89	DN100	1.75163	0.01	0.21	Vel.< 0.3 m/s
N62	NC210	9.54	DN100	-2.97242	-0.02	-0.36		NC5	NC6	19.26	DN100	3.15957	0.04	0.38	
N63	N64	30.01	DN100	4.22702	0.10	0.51		NC5	NT4	15.87	DN100	-3.82457	-0.04	-0.46	
N63	NT63	14.40	DN100	-4.22702	-0.05	-0.51		NC6	NC7	32.83	DN100	2.49457	0.04	0.30	Vel.< 0.3 m/s
N64	NT64	5.16	DN100	4.22702	0.02	0.51		NC7	NC8	25.40	DN100	1.82957	0.02	0.22	Vel.< 0.3 m/s
N65	NC203	26.65	DN100	-7.13776	-0.23	-0.86		NC9	NT6	10.76	DN100	-2.56162	-0.01	-0.31	
N65	NT71	24.96	DN100	7.13776	0.22	0.86		NC10	NC11	9.44	DN100	0.91662	0.00	0.11	Vel.< 0.3 m/s
N66	NT61	31.89	DN100	1.88840	0.03	0.23	Vel.< 0.3 m/s	NC12	NT7	6.17	DN100	-0.72838	-0.00	-0.09	Vel.< 0.3 m/s
N66	NT62	18.12	DN100	-1.88840	-0.01	-0.23	Vel.< 0.3 m/s	NC14	NC15	8.39	DN100	-2.37338	-0.01	-0.28	Vel.< 0.3 m/s
N67	NC200	13.49	DN100	8.47275	0.16	1.02		NC15	NC16	38.52	DN100	-3.19588	-0.08	-0.38	
N67	NC201	1.64	DN100	-8.47276	-0.02	-1.02		NC17	NC18	37.56	DN200	66.80685	0.71	2.05	
N68	NC202	13.51	DN100	8.54275	0.16	1.03		NC17	NT8	24.61	DN200	-73.80686	-0.56	-2.27	
N68	NT70	1.58	DN100	-8.54276	-0.02	-1.03		NC18	NT9	33.27	DN200	59.80686	0.51	1.84	
N69	N70	28.09	DN100	3.69383	0.07	0.44		NC19	NC20	63.32	DN250	-23.40738	-0.06	-0.46	
N69	NC190	58.73	DN100	-3.69383	-0.15	-0.44		NC20	NT9	27.10	DN250	-30.40739	-0.04	-0.60	
N70	NT59	7.59	DN100	3.69383	0.02	0.44		NC21	NT2	13.61	DN100	3.06427	0.03	0.37	
N71	N72	30.00	DN100	-1.32800	-0.01	-0.16	Vel.< 0.3 m/s	NC22	NC23	5.80	DN100	-3.62427	-0.01	-0.43	
N72	NC263	2.39	DN100	-1.32800	-0.00	-0.16	Vel.< 0.3 m/s	NC24	NT10	3.68	DN100	-4.18427	-0.01	-0.50	
N73	NT45	26.53	DN100	4.26652	0.09	0.51		NC25	NC26	32.29	DN100	8.26313	0.37	0.99	
N73	NT51	23.37	DN100	-4.26652	-0.08	-0.51		NC25	NT10	3.97	DN100	-8.54313	-0.05	-1.03	
N74	NT39	8.73	DN100	7.65660	0.09	0.92		NC26	NC27	5.43	DN100	7.98313	0.06	0.96	

NC27	NC28	19.92	DN100	7.70313	0.20	0.92			NC66	NC67	19.78	DN250	-42.44337	-0.06	-0.84		
NC28	NT11	5.69	DN100	7.42313	0.05	0.89			NC67	NT57	47.42	DN250	-42.59335	-0.13	-0.84		
NC29	NC30	39.03	DN100	-1.89408	-0.03	-0.23	Vel.< 0.3 m/s		NC68	NT19	13.65	DN100	-0.11665	-0.00	-0.01	Vel.< 0.3 m/s	
NC29	NT3	8.30	DN100	1.61408	0.01	0.19	Vel.< 0.3 m/s		NC71	NT27	11.88	DN100	-2.19335	-0.01	-0.26	Vel.< 0.3 m/s	
NC30	NC31	9.30	DN100	-2.17408	-0.01	-0.26	Vel.< 0.3 m/s		NC72	NC73	14.24	DN100	-3.13632	-0.03	-0.38		
NC31	NC32	34.11	DN100	-2.45408	-0.04	-0.29	Vel.< 0.3 m/s		NC73	NC74	52.76	DN100	-3.71382	-0.14	-0.45		
NC32	NT12	9.59	DN100	-2.73408	-0.01	-0.33			NC74	NT28	11.65	DN100	-4.29132	-0.04	-0.52		
NC33	NT4	14.20	DN100	0.45885	0.00	0.06	Vel.< 0.3 m/s		NC75	NC76	24.83	DN100	5.05863	0.12	0.61		
NC34	NC35	8.91	DN100	-1.78885	-0.01	-0.21	Vel.< 0.3 m/s		NC75	NT22	10.93	DN100	-5.47863	-0.06	-0.66		
NC36	NT13	5.11	DN100	-3.11885	-0.01	-0.37			NC76	NC77	41.44	DN100	4.63863	0.16	0.56		
NC37	NT14	7.31	DN100	0.90520	0.00	0.11	Vel.< 0.3 m/s		NC78	NT29	11.09	DN100	-12.80138	-0.28	-1.54		
NC38	NC39	6.39	DN100	2.19456	0.01	0.26	Vel.< 0.3 m/s		NC79	NC80	35.36	DN100	-4.45894	-0.13	-0.54		
NC38	NT14	28.10	DN100	-2.85956	-0.05	-0.34			NC79	NT24	9.36	DN100	4.03895	0.03	0.48		
NC40	NT15	8.98	DN100	0.86456	0.00	0.10	Vel.< 0.3 m/s		NC80	NC81	17.42	DN100	-4.87895	-0.08	-0.59		
NC41	NC42	40.07	DN100	-1.48560	-0.02	-0.18	Vel.< 0.3 m/s		NC81	NT30	10.90	DN100	-5.29895	-0.06	-0.64		
NC41	NT5	8.82	DN100	0.82060	0.00	0.10	Vel.< 0.3 m/s		NC82	NT25	33.75	DN100	4.47203	0.13	0.54		
NC42	NC43	8.40	DN100	-2.15061	-0.01	-0.26	Vel.< 0.3 m/s		NC83	NC84	42.61	DN100	5.01285	0.19	0.60		
NC43	NC44	38.81	DN100	-2.81561	-0.06	-0.34			NC83	NT27	17.88	DN100	-5.59035	-0.10	-0.67		
NC44	NT15	9.18	DN100	-3.48061	-0.02	-0.42			NC84	NC85	10.37	DN100	4.43535	0.04	0.53		
NC45	NC46	39.50	DN100	-1.39895	-0.02	-0.17	Vel.< 0.3 m/s		NC85	NC86	35.23	DN100	3.85785	0.10	0.46		
NC45	NT6	11.19	DN100	0.57645	0.00	0.07	Vel.< 0.3 m/s		NC86	NT28	7.25	DN100	3.28035	0.02	0.39		
NC46	NC47	7.20	DN100	-2.22145	-0.01	-0.27	Vel.< 0.3 m/s		NC87	NC88	18.57	DN100	0.00000	0.00	0.00	Vel.< 0.3 m/s	
NC47	NC48	40.77	DN100	-3.04395	-0.08	-0.37			NC87	NT29	26.86	DN100	-0.44687	-0.00	-0.05	Vel.< 0.3 m/s	
NC48	NT16	6.61	DN100	-3.86645	-0.02	-0.46			NC88	NC89	22.60	DN100	-0.39313	-0.00	-0.05	Vel.< 0.3 m/s	
NC49	NC50	50.40	DN100	0.90381	0.01	0.11	Vel.< 0.3 m/s		NC89	NC90	13.93	DN100	-0.81314	-0.00	-0.10	Vel.< 0.3 m/s	
NC49	NT16	9.65	DN100	-1.72631	-0.01	-0.21	Vel.< 0.3 m/s		NC90	NT30	25.41	DN100	-1.23314	-0.01	-0.15	Vel.< 0.3 m/s	
NC50	NC51	17.19	DN100	0.08131	0.00	0.01	Vel.< 0.3 m/s		NC91	NT31	23.26	DN100	-0.95294	-0.01	-0.11	Vel.< 0.3 m/s	
NC51	NC52	45.91	DN100	-0.74119	-0.01	-0.09	Vel.< 0.3 m/s		NC91	NT32	107.19	DN100	0.21794	0.00	0.03	Vel.< 0.3 m/s	
NC52	NT17	6.56	DN100	-1.56369	-0.00	-0.19	Vel.< 0.3 m/s		NC92	NC93	10.54	DN100	3.71209	0.03	0.45		
NC53	NC54	24.62	DN100	7.15290	0.21	0.86			NC92	NT33	4.91	DN100	-3.72959	-0.01	-0.45		
NC53	NT19	5.16	DN100	-7.73040	-0.05	-0.93			NC93	NC94	14.91	DN100	3.67709	0.04	0.44		
NC54	NC55	3.62	DN100	6.57540	0.03	0.79			NC94	NC95	14.90	DN100	3.64209	0.04	0.44		
NC55	NC56	21.34	DN100	5.99790	0.13	0.72			NC95	NC96	15.09	DN100	3.60709	0.04	0.43		
NC56	NT20	1.26	DN100	5.42040	0.01	0.65			NC96	NC97	15.08	DN100	3.57209	0.04	0.43		
NC57	NC72	31.20	DN100	-2.55882	-0.04	-0.31			NC97	NC98	15.10	DN100	3.53709	0.04	0.42		
NC57	NT21	1.09	DN100	1.98132	0.00	0.24	Vel.< 0.3 m/s		NC98	NC99	14.99	DN100	3.50209	0.04	0.42		
NC58	NC59	51.60	DN100	-0.45128	-0.00	-0.05	Vel.< 0.3 m/s		NC99	NT34	13.03	DN100	3.46709	0.03	0.42		
NC58	NT23	27.48	DN100	0.03128	0.00	0.00	Vel.< 0.3 m/s		NC100	NC101	10.07	DN100	1.08155	0.00	0.13	Vel.< 0.3 m/s	
NC60	NT24	5.22	DN100	-1.29128	-0.00	-0.15	Vel.< 0.3 m/s		NC100	NT35	10.45	DN100	-1.09905	-0.00	-0.13	Vel.< 0.3 m/s	
NC61	NT25	28.29	DN100	0.98911	0.01	0.12	Vel.< 0.3 m/s		NC101	NC102	15.08	DN100	1.04655	0.00	0.13	Vel.< 0.3 m/s	
NC61	NT26	97.13	DN100	-1.72411	-0.07	-0.21	Vel.< 0.3 m/s		NC103	NC104	15.24	DN100	0.97655	0.00	0.12	Vel.< 0.3 m/s	
NC62	NC63	80.65	DN250	-1.17498	-0.00	-0.02	Vel.< 0.3 m/s		NC105	NC106	14.82	DN100	-1.59345	-0.01	-0.19	Vel.< 0.3 m/s	
NC63	NC64	49.85	DN250	-11.17498	-0.01	-0.22	Vel.< 0.3 m/s		NC106	NT36	11.82	DN100	-1.62845	-0.01	-0.20	Vel.< 0.3 m/s	
NC64	NT97	9.70	DN250	-21.17497	-0.01	-0.42			NC107	NC108	15.01	DN100	0.14996	0.00	0.02	Vel.< 0.3 m/s	
NC65	NC66	89.95	DN250	-35.44334	-0.18	-0.70			NC107	NT37	12.94	DN100	-0.18496	-0.00	-0.02	Vel.< 0.3 m/s	
NC65	NT97	42.30	DN250	28.44335	0.06	0.56			NC108	NC109	15.05	DN100	0.11496	0.00	0.01	Vel.< 0.3 m/s	

NC109	NC110	15.23	DN100	0.07996	0.00	0.01	Vel.< 0.3 m/s
NC110	NC111	14.90	DN100	0.04496	0.00	0.01	Vel.< 0.3 m/s
NC111	NC112	14.93	DN100	0.00000	0.00	0.00	Vel.< 0.3 m/s
NC112	NC113	14.85	DN100	-0.02504	-0.00	-0.00	Vel.< 0.3 m/s
NC113	NC114	12.54	DN100	-0.06004	-0.00	-0.01	Vel.< 0.3 m/s
NC114	NT38	12.09	DN100	-0.07754	-0.00	-0.01	Vel.< 0.3 m/s
NC115	NC116	15.06	DN100	3.37668	0.03	0.41	
NC117	NC118	15.00	DN100	3.30668	0.03	0.40	
NC119	NC120	15.01	DN100	3.23668	0.03	0.39	
NC121	NC122	14.98	DN100	3.16668	0.03	0.38	
NC123	NC124	10.11	DN100	0.52987	0.00	0.06	Vel.< 0.3 m/s
NC123	NT41	10.42	DN100	-0.54737	-0.00	-0.07	Vel.< 0.3 m/s
NC124	NC125	15.08	DN100	0.49487	0.00	0.06	Vel.< 0.3 m/s
NC126	NC127	14.82	DN100	0.42487	0.00	0.05	Vel.< 0.3 m/s
NC128	NC129	14.91	DN100	0.35487	0.00	0.04	Vel.< 0.3 m/s
NC129	NT42	11.79	DN100	0.31987	0.00	0.04	Vel.< 0.3 m/s
NC130	NC131	15.12	DN100	-0.21608	-0.00	-0.03	Vel.< 0.3 m/s
NC130	NT43	13.07	DN100	0.18108	0.00	0.02	Vel.< 0.3 m/s
NC132	NC133	14.98	DN100	-0.28608	-0.00	-0.03	Vel.< 0.3 m/s
NC134	NC135	15.00	DN100	-0.35608	-0.00	-0.04	Vel.< 0.3 m/s
NC136	NC137	13.25	DN100	-0.42608	-0.00	-0.05	Vel.< 0.3 m/s
NC137	NT44	10.07	DN100	-0.44358	-0.00	-0.05	Vel.< 0.3 m/s
NC138	NC139	14.93	DN100	-3.42508	-0.03	-0.41	
NC138	NT45	8.36	DN100	3.39008	0.02	0.41	
NC139	NC140	15.08	DN100	-3.46008	-0.04	-0.42	
NC140	NC141	15.08	DN100	-3.49508	-0.04	-0.42	
NC141	NC142	14.90	DN100	-3.53008	-0.04	-0.42	
NC142	NC143	14.89	DN100	-3.56508	-0.04	-0.43	
NC143	NC144	15.11	DN100	-3.60008	-0.04	-0.43	
NC144	NC145	15.10	DN100	-3.63508	-0.04	-0.44	
NC145	NC146	15.15	DN100	-3.67008	-0.04	-0.44	
NC146	NT46	13.00	DN100	-3.70508	-0.03	-0.44	
NC147	NC148	11.73	DN100	-1.23266	-0.00	-0.15	Vel.< 0.3 m/s
NC147	NT47	8.80	DN100	1.21516	0.00	0.15	Vel.< 0.3 m/s
NC148	NC149	15.01	DN100	-1.26766	-0.01	-0.15	Vel.< 0.3 m/s
NC149	NC150	14.96	DN100	-1.30266	-0.01	-0.16	Vel.< 0.3 m/s
NC150	NC151	15.08	DN100	-1.33766	-0.01	-0.16	Vel.< 0.3 m/s
NC151	NC152	15.11	DN100	-1.37266	-0.01	-0.16	Vel.< 0.3 m/s
NC152	NC153	14.82	DN100	-1.40766	-0.01	-0.17	Vel.< 0.3 m/s
NC153	NT48	11.83	DN100	-1.44266	-0.01	-0.17	Vel.< 0.3 m/s
NC154	NC155	12.73	DN100	0.04445	0.00	0.01	Vel.< 0.3 m/s
NC154	NT49	7.71	DN100	-0.06195	-0.00	-0.01	Vel.< 0.3 m/s
NC155	NC156	14.81	DN100	0.00000	0.00	0.00	Vel.< 0.3 m/s
NC156	NC157	15.12	DN100	-0.02555	-0.00	-0.00	Vel.< 0.3 m/s
NC157	NC158	14.98	DN100	-0.06055	-0.00	-0.01	Vel.< 0.3 m/s
NC158	NC159	14.92	DN100	-0.09555	-0.00	-0.01	Vel.< 0.3 m/s

NC159	NC160	15.11	DN100	-0.13055	-0.00	-0.02	Vel.< 0.3 m/s
NC160	NC161	14.99	DN100	-0.16555	-0.00	-0.02	Vel.< 0.3 m/s
NC161	NT50	15.50	DN100	-0.20055	-0.00	-0.02	Vel.< 0.3 m/s
NC162	NC163	13.11	DN100	-2.95602	-0.02	-0.35	
NC162	NT51	13.79	DN100	2.93852	0.02	0.35	
NC164	NC165	15.15	DN100	-3.02602	-0.03	-0.36	
NC166	NC167	14.86	DN100	-3.09602	-0.03	-0.37	
NC168	NC169	15.00	DN100	-3.16602	-0.03	-0.38	
NC170	NC171	14.72	DN100	-3.23602	-0.03	-0.39	
NC172	NT52	11.43	DN100	6.97610	0.10	0.84	
NC172	NT60	66.00	DN100	-7.48609	-0.62	-0.90	
NC173	NC174	10.89	DN100	0.32751	0.00	0.04	Vel.< 0.3 m/s
NC173	NT53	9.66	DN100	-0.34501	-0.00	-0.04	Vel.< 0.3 m/s
NC174	NC175	15.17	DN100	0.29251	0.00	0.04	Vel.< 0.3 m/s
NC176	NC177	15.06	DN100	0.22251	0.00	0.03	Vel.< 0.3 m/s
NC178	NC179	14.94	DN100	0.15251	0.00	0.02	Vel.< 0.3 m/s
NC179	NT54	11.53	DN100	0.11751	0.00	0.01	Vel.< 0.3 m/s
NC180	NT54	10.13	DN100	7.56072	0.10	0.91	
NC180	NT64	67.07	DN100	-7.87271	-0.69	-0.94	
NC182	NC183	11.28	DN100	0.00000	0.00	0.00	Vel.< 0.3 m/s
NC182	NT55	9.25	DN100	-0.09104	-0.00	-0.01	Vel.< 0.3 m/s
NC184	NC185	14.99	DN100	0.00000	0.00	0.00	Vel.< 0.3 m/s
NC186	NC187	14.86	DN100	-0.06646	-0.00	-0.01	Vel.< 0.3 m/s
NC188	NC189	14.99	DN100	-0.13646	-0.00	-0.02	Vel.< 0.3 m/s
NC189	NT56	10.84	DN100	-0.17146	-0.00	-0.02	Vel.< 0.3 m/s
NC190	NC191	29.77	DN100	-3.71133	-0.08	-0.45	
NC191	NT60	27.49	DN100	-3.74633	-0.07	-0.45	
NC192	NT61	12.22	DN100	-8.74872	-0.15	-1.05	
NC194	NC195	22.66	DN100	-6.71726	-0.18	-0.81	
NC194	NT59	34.25	DN100	6.68226	0.26	0.80	
NC195	NC196	15.01	DN100	-6.75226	-0.12	-0.81	
NC196	NC197	14.88	DN100	-6.78726	-0.12	-0.81	
NC197	NC198	15.08	DN100	-6.82226	-0.12	-0.82	
NC199	NC262	16.69	DN100	-9.68999	-0.25	-1.16	
NC199	NT60	29.17	DN100	9.65499	0.44	1.16	
NC200	NT61	12.58	DN100	8.43775	0.15	1.01	
NC201	NC202	14.89	DN100	-8.50775	-0.18	-1.02	
NC203	NT70	0.87	DN100	-7.17276	-0.01	-0.86	
NC204	NC205	17.32	DN100	-3.24800	-0.04	-0.39	
NC204	NT62	24.58	DN100	3.21300	0.05	0.39	
NC205	NC206	17.34	DN100	-3.28300	-0.04	-0.39	
NC206	NC207	17.29	DN100	-3.31800	-0.04	-0.40	
NC207	NT71	13.38	DN100	-3.35300	-0.03	-0.40	
NC208	NC209	14.91	DN100	-2.93742	-0.03	-0.35	
NC208	NT63	12.76	DN100	2.90242	0.02	0.35	
NC210	NC211	15.32	DN100	-3.00742	-0.03	-0.36	

NC212	NC213	12.05	DN100	-3.07742	-0.02	-0.37		NT11	NT12	8.69	DN100	7.42313	0.08	0.89	
NC213	NT72	8.79	DN100	-3.09492	-0.02	-0.37		NT12	NT13	25.40	DN100	4.68905	0.10	0.56	
NC214	NC215	16.79	DN100	-3.80005	-0.05	-0.46		NT14	NT23	37.00	DN100	-1.95436	-0.03	-0.23	Vel.< 0.3 m/s
NC214	NT64	22.86	DN100	3.76505	0.06	0.45		NT15	NT16	15.70	DN100	1.37177	0.01	0.16	Vel.< 0.3 m/s
NC215	NC216	17.28	DN100	-3.83505	-0.05	-0.46		NT15	NT24	40.35	DN100	-3.98781	-0.12	-0.48	
NC216	NC217	16.70	DN100	-3.87005	-0.05	-0.46		NT16	NT25	40.35	DN100	-4.22100	-0.14	-0.51	
NC217	NC218	16.85	DN100	-3.90505	-0.05	-0.47		NT17	NT26	38.84	DN100	-5.58207	-0.22	-0.67	
NC218	NC219	16.58	DN100	-3.94005	-0.05	-0.47		NT22	NT23	11.33	DN100	1.92309	0.01	0.23	Vel.< 0.3 m/s
NC219	NT73	8.66	DN100	-3.95755	-0.03	-0.47		NT24	NT25	15.70	DN100	-1.24015	-0.01	-0.15	Vel.< 0.3 m/s
NC220	NT65	12.78	DN100	3.74572	0.03	0.45		NT26	NT32	22.79	DN100	-7.30619	-0.21	-0.88	
NC221	NC222	14.79	DN100	-3.81572	-0.04	-0.46		NT27	NT33	15.31	DN100	-0.51533	-0.00	-0.06	Vel.< 0.3 m/s
NC223	NC224	15.10	DN100	-3.88572	-0.04	-0.47		NT27	NT97	25.95	DN150	-7.26837	-0.03	-0.39	
NC225	NC226	14.93	DN100	-3.95572	-0.04	-0.47		NT28	NT29	25.40	DN100	6.93520	0.21	0.83	
NC227	NT74	7.89	DN100	-4.02572	-0.02	-0.48		NT28	NT34	14.40	DN100	-7.94618	-0.15	-0.95	
NC228	NC229	16.18	DN100	-4.48013	-0.06	-0.54		NT29	NT35	14.40	DN100	-6.31304	-0.10	-0.76	
NC228	NT66	13.53	DN100	4.46263	0.05	0.54		NT30	NT31	14.40	DN100	-0.77543	-0.00	-0.09	Vel.< 0.3 m/s
NC231	NC232	16.69	DN100	-4.58513	-0.06	-0.55		NT30	NT36	14.40	DN100	-5.75665	-0.08	-0.69	
NC233	NC234	16.63	DN100	-4.65513	-0.07	-0.56		NT31	NT37	14.40	DN100	-6.93539	-0.12	-0.83	
NC235	NC236	16.64	DN100	-4.72513	-0.07	-0.57		NT32	NT38	14.69	DN100	-7.08825	-0.13	-0.85	
NC237	NC238	14.96	DN100	-4.47203	-0.06	-0.54		NT34	NT40	49.00	DN100	-4.47909	-0.18	-0.54	
NC237	NT67	12.82	DN100	4.43703	0.05	0.53		NT35	NT41	49.00	DN100	-7.41208	-0.45	-0.89	
NC238	NC239	14.97	DN100	-4.50703	-0.06	-0.54		NT36	NT42	49.00	DN100	-7.38510	-0.45	-0.89	
NC239	NC240	15.07	DN100	-4.54203	-0.06	-0.55		NT40	NT41	25.40	DN100	-1.34741	-0.01	-0.16	Vel.< 0.3 m/s
NC240	NC241	14.91	DN100	-4.57703	-0.06	-0.55		NT41	NT47	11.40	DN100	-9.30687	-0.16	-1.12	
NC241	NC242	14.82	DN100	-4.61203	-0.06	-0.55		NT42	NT43	14.40	DN80	-0.82967	-0.01	-0.15	Vel.< 0.3 m/s
NC242	NC243	15.02	DN100	-4.64703	-0.06	-0.56		NT42	NT48	11.40	DN80	-6.23556	-0.21	-1.14	
NC243	NC244	14.96	DN100	-4.68203	-0.06	-0.56		NT43	NT49	11.40	DN100	-7.76895	-0.12	-0.93	
NC244	NC245	14.96	DN100	-4.71703	-0.06	-0.57		NT44	NT50	11.42	DN100	-7.60936	-0.11	-0.91	
NC245	NC246	14.93	DN100	-4.75203	-0.06	-0.57		NT46	NT52	49.00	DN100	-3.70508	-0.13	-0.44	
NC246	NC247	15.15	DN100	-4.78703	-0.06	-0.57		NT48	NT54	49.00	DN100	-7.67823	-0.48	-0.92	
NC247	NC248	14.68	DN100	-4.82203	-0.06	-0.58		NT57	NT58	25.07	DN150	-8.53809	-0.04	-0.46	
NC248	NT76	6.24	DN100	-4.85703	-0.03	-0.58		NT57	NT82	92.44	DN250	-34.05525	-0.17	-0.67	
NC249	NT68	21.13	DN100	3.82258	0.06	0.46		NT58	NT59	34.49	DN100	-10.37608	-0.59	-1.25	
NC253	NC254	16.59	DN100	-3.99759	-0.05	-0.48		NT60	NT61	25.91	DN100	-1.57744	-0.02	-0.19	Vel.< 0.3 m/s
NC255	NC256	16.31	DN100	-4.06759	-0.05	-0.49		NT62	NT63	9.49	DN100	1.32460	0.00	0.16	Vel.< 0.3 m/s
NC257	NC258	16.39	DN100	-4.13759	-0.05	-0.50		NT64	NT65	14.53	DN80	0.11934	0.00	0.02	Vel.< 0.3 m/s
NC259	NC260	16.33	DN100	-4.20759	-0.05	-0.50		NT65	NT66	49.45	DN100	-4.39887	-0.18	-0.53	
NC261	NT79	7.52	DN100	-4.27759	-0.03	-0.51		NT66	NT67	9.42	DN100	0.06376	0.00	0.01	Vel.< 0.3 m/s
NC262	NT69	2.12	DN100	-9.72500	-0.03	-1.17		NT67	NT68	53.79	DN100	4.50079	0.20	0.54	
NC263	NT58	3.32	DN100	-1.83800	-0.00	-0.22	Vel.< 0.3 m/s	NT69	NT81	11.78	DN100	-16.58225	-0.48	-1.99	
NT1	NT2	41.50	DN150	16.40737	0.24	0.89		NT70	NT81	13.62	DN100	-15.71550	-0.50	-1.89	
NT3	NT4	27.71	DN100	3.36572	0.06	0.40		NT71	NT72	9.20	DN100	3.78476	0.03	0.45	
NT5	NT6	15.71	DN100	1.98517	0.01	0.24	Vel.< 0.3 m/s	NT75	NT80	5.95	DN100	-12.05356	-0.13	-1.45	
NT8	SG1	137.03	DN200	-73.80679	-3.13	-2.27		NT76	NT80	5.95	DN100	-9.13462	-0.08	-1.10	
NT9	NT10	25.53	DN150	12.72740	0.09	0.69		NT78	NT79	16.02	DN100	4.27759	0.05	0.51	
NT9	NT18	38.82	DN250	16.67209	0.02	0.33		NT80	SG2	30.07	DN150	-21.18817	-0.27	-1.15	

NT81	SG3	38.53	DN150	-32.29774	-0.76	-1.75	
NT82	NT83	29.12	DN250	-34.05527	-0.05	-0.67	
NT83	NT84	34.65	DN250	-34.05527	-0.06	-0.67	
NT84	NT85	26.41	DN250	-34.05527	-0.05	-0.67	
NT85	NT86	185.68	DN250	-34.05525	-0.35	-0.67	
NT86	NT87	82.40	DN250	-34.05526	-0.15	-0.67	
NT87	NT89	23.72	DN250	-34.05527	-0.04	-0.67	
NT89	NT90	59.94	DN250	-34.05526	-0.11	-0.67	
NT90	NT91	88.50	DN250	-34.05526	-0.16	-0.67	
NT91	NT92	102.27	DN250	-34.05525	-0.19	-0.67	
NT92	NT93	39.08	DN250	-34.05527	-0.07	-0.67	
NT93	NT94	27.64	DN250	-34.05527	-0.05	-0.67	
NT94	SG4	16.46	DN250	-34.05528	-0.03	-0.67	

Combinaciones: H6+H10

Inicio	Final	Longitud m	Diámetros mm	Caudal l/s	Périd. m.c.a.	Velocidad m/s	Coment.
BR39	NC39	25.31	DN100	-2.12108	-0.02	-0.25	Vel.< 0.3 m/s
BR39	NC40	20.66	DN100	2.12108	0.02	0.25	Vel.< 0.3 m/s
BR48	NT21	7.01	DN100	-6.99666	-0.06	-0.84	
BR48	NT22	18.49	DN100	6.99665	0.15	0.84	
BR52	NC59	11.31	DN100	-0.65488	-0.00	-0.08	Vel.< 0.3 m/s
BR52	NC60	9.90	DN100	0.65488	0.00	0.08	Vel.< 0.3 m/s
BR64	NC104	12.64	DN100	-0.87126	-0.00	-0.10	Vel.< 0.3 m/s
BR64	NC105	2.50	DN100	-1.62874	-0.00	-0.20	Vel.< 0.3 m/s
BR65	NC102	12.59	DN100	-0.94126	-0.00	-0.11	Vel.< 0.3 m/s
BR65	NC103	2.17	DN100	0.94126	0.00	0.11	Vel.< 0.3 m/s
BR88	NC127	11.50	DN100	-0.08220	-0.00	-0.01	Vel.< 0.3 m/s
BR88	NC128	3.49	DN100	0.08220	0.00	0.01	Vel.< 0.3 m/s
BR89	NC125	11.53	DN100	-0.15220	-0.00	-0.02	Vel.< 0.3 m/s
BR89	NC126	3.70	DN100	0.15220	0.00	0.02	Vel.< 0.3 m/s
BR92	NC120	7.89	DN100	-4.24637	-0.03	-0.51	
BR92	NC121	7.07	DN100	4.24637	0.02	0.51	
BR93	NC118	8.00	DN100	-4.31637	-0.03	-0.52	
BR93	NC119	7.14	DN100	4.31637	0.02	0.52	
BR99	H9	21.39	DN100	-2.34063	-0.03	-0.28	Vel.< 0.3 m/s
BR99	NT51	6.66	DN100	2.34063	0.01	0.28	Vel.< 0.3 m/s
BR107	NC181	4.70	DN100	-7.28326	-0.04	-0.87	
BR107	NT55	6.01	DN100	7.28326	0.05	0.87	
BR115	NC169	2.77	DN100	2.15982	0.00	0.26	Vel.< 0.3 m/s
BR115	NC170	12.41	DN100	-2.15982	-0.01	-0.26	Vel.< 0.3 m/s
H1	NC1	9.98	DN100	8.10822	0.11	0.97	
H1	NT2	10.61	DN100	-8.10822	-0.12	-0.97	
H2	NC8	18.03	DN100	-2.63111	-0.03	-0.32	
H2	NT5	5.47	DN100	2.63111	0.01	0.32	

H3	NC13	5.44	DN100	-0.36513	-0.00	-0.04	Vel.< 0.3 m/s
H3	NT7	3.12	DN100	0.36513	0.00	0.04	Vel.< 0.3 m/s
H4	NC62	31.11	DN250	16.98668	0.02	0.34	
H4	NT18	7.10	DN250	-16.98669	-0.00	-0.34	
H5	N11	28.66	DN100	-0.86656	-0.01	-0.10	Vel.< 0.3 m/s
H5	N12	2.54	DN100	0.86656	0.00	0.10	Vel.< 0.3 m/s
H6	NC77	7.27	DN100	-4.87622	-0.03	-0.59	
H6	NC78	15.27	DN100	-11.72378	-0.33	-1.41	
H7	N10	13.86	DN100	4.09967	0.04	0.49	
H7	NT31	15.24	DN100	-4.09967	-0.05	-0.49	
H8	N23	27.84	DN100	6.20165	0.19	0.74	
H8	N24	2.91	DN100	-6.20166	-0.02	-0.74	
H9	N71	8.63	DN100	-2.34063	-0.01	-0.28	Vel.< 0.3 m/s
H10	N82	6.56	DN100	0.15391	0.00	0.02	Vel.< 0.3 m/s
H10	NC192	15.26	DN100	-16.75391	-0.63	-2.01	
H11	N38	25.00	DN100	7.62526	0.24	0.92	
H11	N39	5.06	DN100	-7.62526	-0.05	-0.92	
H12	NC198	7.06	DN100	6.52387	0.05	0.78	
H12	NT69	34.08	DN100	-6.52387	-0.25	-0.78	
H13	NC250	6.92	DN100	4.08990	0.02	0.49	
H13	NC251	9.77	DN100	-4.08990	-0.03	-0.49	
H14	N53	22.21	DN100	-8.41555	-0.26	-1.01	
H14	N58	8.16	DN100	8.41555	0.10	1.01	
N1	NC23	28.40	DN100	1.64176	0.02	0.20	Vel.< 0.3 m/s
N1	NC24	15.62	DN100	-1.64176	-0.01	-0.20	Vel.< 0.3 m/s
N2	NC21	11.08	DN100	1.08176	0.00	0.13	Vel.< 0.3 m/s
N2	NC22	24.47	DN100	-1.08176	-0.01	-0.13	Vel.< 0.3 m/s
N3	NC33	21.20	DN100	-0.32540	-0.00	-0.04	Vel.< 0.3 m/s
N3	NC34	12.38	DN100	0.32540	0.00	0.04	Vel.< 0.3 m/s
N4	NC35	8.76	DN100	1.00460	0.00	0.12	Vel.< 0.3 m/s
N4	NC36	18.71	DN100	-1.00460	-0.00	-0.12	Vel.< 0.3 m/s
N5	NC37	25.14	DN100	4.75054	0.10	0.57	
N5	NT13	6.22	DN100	-4.75054	-0.03	-0.57	
N6	NC9	49.73	DN100	-2.10237	-0.05	-0.25	Vel.< 0.3 m/s
N6	NC10	4.11	DN100	2.10237	0.00	0.25	Vel.< 0.3 m/s
N7	N8	30.01	DN100	-1.18763	-0.01	-0.14	Vel.< 0.3 m/s
N7	NC13	4.29	DN100	1.18763	0.00	0.14	Vel.< 0.3 m/s
N8	NC14	3.43	DN100	-1.18763	-0.00	-0.14	Vel.< 0.3 m/s
N9	NC16	9.67	DN100	3.65514	0.03	0.44	
N9	NT17	9.23	DN100	-3.65514	-0.02	-0.44	
N10	NC82	3.91	DN100	4.09967	0.01	0.49	
N11	NC71	1.66	DN100	-0.86656	-0.00	-0.10	Vel.< 0.3 m/s
N12	NC70	28.65	DN100	0.86656	0.01	0.10	Vel.< 0.3 m/s
N13	NC69	9.68	DN100	0.28906	0.00	0.03	Vel.< 0.3 m/s
N13	NC70	1.36	DN100	-0.28906	-0.00	-0.03	Vel.< 0.3 m/s
N14	N15	30.01	DN100	-0.28844	-0.00	-0.03	Vel.< 0.3 m/s

N14	NC69	20.34	DN100	0.28844	0.00	0.03	Vel.< 0.3 m/s
N15	NC68	19.49	DN100	-0.28844	-0.00	-0.03	Vel.< 0.3 m/s
N16	NT20	13.46	DN100	-5.89546	-0.08	-0.71	
N16	NT21	26.25	DN100	5.89546	0.16	0.71	
N17	NT18	4.50	DN100	-9.07141	-0.06	-1.09	
N17	NT19	20.61	DN150	9.07141	0.04	0.49	
N18	N19	30.00	DN100	-2.43313	-0.04	-0.29	Vel.< 0.3 m/s
N18	NT33	1.22	DN100	2.43313	0.00	0.29	Vel.< 0.3 m/s
N19	NT39	21.29	DN100	-2.43313	-0.03	-0.29	Vel.< 0.3 m/s
N20	NC115	7.00	DN100	4.45637	0.03	0.53	
N20	NT39	12.08	DN100	-4.45636	-0.04	-0.53	
N21	NC116	7.97	DN100	-4.38637	-0.03	-0.53	
N21	NC117	7.11	DN100	4.38637	0.03	0.53	
N22	NC122	7.96	DN100	-4.17637	-0.03	-0.50	
N22	NT40	5.05	DN100	4.17637	0.02	0.50	
N23	NT38	4.65	DN100	6.20166	0.03	0.74	
N24	NT44	13.63	DN100	-6.20165	-0.09	-0.74	
N25	NC135	8.58	DN100	0.78075	0.00	0.09	Vel.< 0.3 m/s
N25	NC136	6.36	DN100	-0.78075	-0.00	-0.09	Vel.< 0.3 m/s
N26	NC133	8.63	DN100	0.71075	0.00	0.09	Vel.< 0.3 m/s
N26	NC134	6.43	DN100	-0.71075	-0.00	-0.09	Vel.< 0.3 m/s
N27	NC131	8.59	DN100	0.64075	0.00	0.08	Vel.< 0.3 m/s
N27	NC132	6.40	DN100	-0.64075	-0.00	-0.08	Vel.< 0.3 m/s
N28	NT37	22.80	DN100	6.01622	0.14	0.72	
N28	NT43	26.20	DN100	-6.01622	-0.17	-0.72	
N29	N30	26.90	DN100	-7.44201	-0.25	-0.89	
N29	NT50	4.00	DN100	7.44201	0.04	0.89	
N30	NT56	18.31	DN100	-7.44201	-0.17	-0.89	
N31	NT49	24.01	DN100	7.45591	0.23	0.89	
N31	NT55	25.00	DN100	-7.45591	-0.23	-0.89	
N32	NC183	11.20	DN100	0.22515	0.00	0.03	Vel.< 0.3 m/s
N32	NC184	3.84	DN100	-0.22515	-0.00	-0.03	Vel.< 0.3 m/s
N33	NC185	11.17	DN100	0.29515	0.00	0.04	Vel.< 0.3 m/s
N33	NC186	3.89	DN100	-0.29515	-0.00	-0.04	Vel.< 0.3 m/s
N34	NC187	11.27	DN100	0.36515	0.00	0.04	Vel.< 0.3 m/s
N34	NC188	3.84	DN100	-0.36515	-0.00	-0.04	Vel.< 0.3 m/s
N35	N36	29.97	DN100	-7.87716	-0.31	-0.95	
N35	NT56	11.57	DN100	7.87716	0.12	0.95	
N36	NC193	24.37	DN100	-7.87716	-0.25	-0.95	
N37	NC193	5.64	DN100	8.21917	0.06	0.99	
N37	NT68	6.64	DN100	-8.21916	-0.07	-0.99	
N38	NC181	25.31	DN100	7.62526	0.25	0.92	
N39	NT65	11.16	DN100	-7.62526	-0.11	-0.92	
N40	NC249	4.28	DN100	4.05490	0.01	0.49	
N40	NC250	12.31	DN100	-4.05490	-0.04	-0.49	
N41	NC251	1.65	DN100	4.12490	0.01	0.50	

N41	NC252	14.84	DN100	-4.12490	-0.05	-0.50	
N42	NC252	14.62	DN100	4.15990	0.05	0.50	
N42	NC253	1.62	DN100	-4.15990	-0.01	-0.50	
N43	NC254	11.88	DN100	4.22990	0.04	0.51	
N43	NC255	4.37	DN100	-4.22990	-0.01	-0.51	
N44	NC256	9.37	DN100	4.29990	0.03	0.52	
N44	NC257	6.85	DN100	-4.29990	-0.02	-0.52	
N45	NC258	6.77	DN100	4.36990	0.02	0.52	
N45	NC259	9.53	DN100	-4.36990	-0.03	-0.52	
N46	NC260	4.16	DN100	4.43990	0.02	0.53	
N46	NC261	20.56	DN100	-4.43990	-0.08	-0.53	
N47	NT76	9.30	DN100	-4.47490	-0.03	-0.54	
N47	NT78	34.62	DN100	4.47490	0.13	0.54	
N48	NC229	1.91	DN100	4.82976	0.01	0.58	
N48	NC230	14.38	DN100	-4.82976	-0.06	-0.58	
N49	NC230	14.58	DN100	4.86476	0.06	0.58	
N49	NC231	2.43	DN100	-4.86476	-0.01	-0.58	
N50	NC232	11.20	DN100	4.93476	0.05	0.59	
N50	NC233	5.43	DN100	-4.93476	-0.02	-0.59	
N51	NC234	7.91	DN100	5.00476	0.04	0.60	
N51	NC235	8.78	DN100	-5.00476	-0.04	-0.60	
N52	NC236	4.59	DN100	5.07476	0.02	0.61	
N52	NT75	20.73	DN100	-5.07476	-0.10	-0.61	
N53	NT75	9.20	DN100	-8.41555	-0.11	-1.01	
N54	NC220	6.39	DN100	3.87738	0.02	0.47	
N54	NC221	8.67	DN100	-3.87738	-0.02	-0.47	
N55	NC222	6.58	DN100	3.94738	0.02	0.47	
N55	NC223	8.41	DN100	-3.94738	-0.02	-0.47	
N56	NC224	6.55	DN100	4.01739	0.02	0.48	
N56	NC225	8.35	DN100	-4.01738	-0.03	-0.48	
N57	NC226	6.86	DN100	4.08739	0.02	0.49	
N57	NC227	8.07	DN100	-4.08738	-0.03	-0.49	
N58	NT74	15.12	DN100	8.41555	0.18	1.01	
N59	NT73	1.43	DN100	4.29317	0.00	0.52	
N59	NT74	13.44	DN100	-4.29317	-0.05	-0.52	
N60	NC211	5.54	DN100	3.65058	0.01	0.44	
N60	NC212	9.39	DN100	-3.65058	-0.02	-0.44	
N61	NT72	20.58	DN100	0.20676	0.00	0.02	Vel.< 0.3 m/s
N61	NT73	28.62	DN100	-0.20676	-0.00	-0.02	Vel.< 0.3 m/s
N62	NC209	5.13	DN100	3.58058	0.01	0.43	
N62	NC210	9.54	DN100	-3.58058	-0.02	-0.43	
N63	N64	30.01	DN100	3.39734	0.07	0.41	
N63	NT63	14.40	DN100	-3.39734	-0.03	-0.41	
N64	NT64	5.16	DN100	3.39734	0.01	0.41	
N65	NC203	26.65	DN100	-7.44903	-0.25	-0.89	
N65	NT71	24.96	DN100	7.44903	0.23	0.89	

N66	NT61	31.89	DN100	3.92595	0.09	0.47		NC12	NT7	6.17	DN100	-0.36513	-0.00	-0.04	Vel.< 0.3 m/s
N66	NT62	18.12	DN100	-3.92595	-0.05	-0.47		NC14	NC15	8.39	DN100	-2.01013	-0.01	-0.24	Vel.< 0.3 m/s
N67	NC200	13.49	DN100	9.81437	0.21	1.18		NC15	NC16	38.52	DN100	-2.83263	-0.06	-0.34	
N67	NC201	1.64	DN100	-9.81438	-0.03	-1.18		NC17	NC18	37.56	DN200	64.23972	0.66	1.97	
N68	NC202	13.51	DN100	9.88437	0.21	1.19		NC17	NT8	24.61	DN200	-71.23973	-0.53	-2.19	Vel.máx.
N68	NT70	1.58	DN100	-9.88438	-0.02	-1.19		NC18	NT9	33.27	DN200	57.23973	0.47	1.76	
N69	N70	28.09	DN100	1.83168	0.02	0.22	Vel.< 0.3 m/s	NC19	NC20	63.32	DN250	-14.30647	-0.02	-0.28	Vel.< 0.3 m/s
N69	NC190	58.73	DN100	-1.83168	-0.04	-0.22	Vel.< 0.3 m/s	NC20	NT9	27.10	DN250	-21.30648	-0.02	-0.42	
N70	NT59	7.59	DN100	1.83168	0.01	0.22	Vel.< 0.3 m/s	NC21	NT2	13.61	DN100	0.80176	0.00	0.10	Vel.< 0.3 m/s
N71	N72	30.00	DN100	-2.34063	-0.04	-0.28	Vel.< 0.3 m/s	NC22	NC23	5.80	DN100	-1.36176	-0.00	-0.16	Vel.< 0.3 m/s
N72	NC263	2.39	DN100	-2.34063	-0.00	-0.28	Vel.< 0.3 m/s	NC24	NT10	3.68	DN100	-1.92176	-0.00	-0.23	Vel.< 0.3 m/s
N73	NT45	26.53	DN100	4.23795	0.09	0.51		NC25	NC26	32.29	DN100	7.67343	0.32	0.92	
N73	NT51	23.37	DN100	-4.23795	-0.08	-0.51		NC25	NT10	3.97	DN100	-7.95344	-0.04	-0.95	
N74	NT39	8.73	DN100	6.88950	0.07	0.83		NC26	NC27	5.43	DN100	7.39344	0.05	0.89	
N74	NT45	3.49	DN100	-6.88950	-0.03	-0.83		NC27	NC28	19.92	DN100	7.11343	0.17	0.85	
N75	NC163	2.74	DN100	1.94982	0.00	0.23	Vel.< 0.3 m/s	NC28	NT11	5.69	DN100	6.83344	0.05	0.82	
N75	NC164	12.08	DN100	-1.94982	-0.01	-0.23	Vel.< 0.3 m/s	NC29	NC30	39.03	DN100	0.42670	0.00	0.05	Vel.< 0.3 m/s
N76	NC165	2.78	DN100	2.01982	0.00	0.24	Vel.< 0.3 m/s	NC29	NT3	8.30	DN100	-0.70670	-0.00	-0.08	Vel.< 0.3 m/s
N76	NC166	12.20	DN100	-2.01982	-0.01	-0.24	Vel.< 0.3 m/s	NC30	NC31	9.30	DN100	0.14670	0.00	0.02	Vel.< 0.3 m/s
N77	NC167	2.95	DN100	2.08982	0.00	0.25	Vel.< 0.3 m/s	NC31	NC32	34.11	DN100	-0.13330	-0.00	-0.02	Vel.< 0.3 m/s
N77	NC168	12.23	DN100	-2.08982	-0.01	-0.25	Vel.< 0.3 m/s	NC32	NT12	9.59	DN100	-0.41330	-0.00	-0.05	Vel.< 0.3 m/s
N78	NC171	2.95	DN100	2.22982	0.00	0.27	Vel.< 0.3 m/s	NC33	NT4	14.20	DN100	-0.99040	-0.00	-0.12	Vel.< 0.3 m/s
N78	NT52	10.07	DN100	-2.22982	-0.01	-0.27	Vel.< 0.3 m/s	NC34	NC35	8.91	DN100	-0.33960	-0.00	-0.04	Vel.< 0.3 m/s
N79	N80	26.94	DN100	-3.13121	-0.05	-0.38		NC36	NT13	5.11	DN100	-1.66960	-0.00	-0.20	Vel.< 0.3 m/s
N79	NT47	5.52	DN100	3.13121	0.01	0.38		NC37	NT14	7.31	DN100	4.08554	0.02	0.49	
N80	NT53	16.54	DN100	-3.13121	-0.03	-0.38		NC38	NC39	6.39	DN100	2.78608	0.01	0.33	
N81	N82	30.00	DN100	-0.15391	-0.00	-0.02	Vel.< 0.3 m/s	NC38	NT14	28.10	DN100	-3.45108	-0.07	-0.41	
N81	NT53	13.46	DN100	0.15391	0.00	0.02	Vel.< 0.3 m/s	NC40	NT15	8.98	DN100	1.45608	0.00	0.17	Vel.< 0.3 m/s
N83	NC177	6.22	DN100	3.13480	0.01	0.38		NC41	NC42	40.07	DN100	-0.88507	-0.01	-0.11	Vel.< 0.3 m/s
N83	NC178	8.76	DN100	-3.13480	-0.02	-0.38		NC41	NT5	8.82	DN100	0.22007	0.00	0.03	Vel.< 0.3 m/s
N84	NC175	6.37	DN100	3.06480	0.01	0.37		NC42	NC43	8.40	DN100	-1.55007	-0.00	-0.19	Vel.< 0.3 m/s
N84	NC176	8.73	DN100	-3.06480	-0.02	-0.37		NC43	NC44	38.81	DN100	-2.21507	-0.04	-0.27	Vel.< 0.3 m/s
N85	NC19	21.43	DN250	-7.30646	-0.00	-0.14	Vel.< 0.3 m/s	NC44	NT15	9.18	DN100	-2.88007	-0.02	-0.35	
N85	NT1	6.90	DN250	7.30646	0.00	0.14	Vel.< 0.3 m/s	NC45	NC46	39.50	DN100	-0.89619	-0.01	-0.11	Vel.< 0.3 m/s
N86	NC11	16.46	DN100	-0.45737	-0.00	-0.05	Vel.< 0.3 m/s	NC45	NT6	11.19	DN100	0.07369	0.00	0.01	Vel.< 0.3 m/s
N86	NC12	43.73	DN100	0.45737	0.00	0.05	Vel.< 0.3 m/s	NC46	NC47	7.20	DN100	-1.71869	-0.00	-0.21	Vel.< 0.3 m/s
NC1	NC2	6.20	DN100	7.82822	0.06	0.94		NC47	NC48	40.77	DN100	-2.54119	-0.06	-0.30	
NC2	NC3	20.17	DN100	7.54821	0.19	0.91		NC48	NT16	6.61	DN100	-3.36369	-0.01	-0.40	
NC3	NC4	10.34	DN100	7.26822	0.09	0.87		NC49	NC50	50.40	DN100	1.31627	0.02	0.16	Vel.< 0.3 m/s
NC4	NT3	8.89	DN100	6.98822	0.07	0.84		NC49	NT16	9.65	DN100	-2.13877	-0.01	-0.26	Vel.< 0.3 m/s
NC5	NC6	19.26	DN100	4.62611	0.08	0.56		NC50	NC51	17.19	DN100	0.49377	0.00	0.06	Vel.< 0.3 m/s
NC5	NT4	15.87	DN100	-5.29111	-0.08	-0.64		NC51	NC52	45.91	DN100	-0.32873	-0.00	-0.04	Vel.< 0.3 m/s
NC6	NC7	32.83	DN100	3.96111	0.10	0.48		NC52	NT17	6.56	DN100	-1.15123	-0.00	-0.14	Vel.< 0.3 m/s
NC7	NC8	25.40	DN100	3.29611	0.05	0.40		NC53	NC54	24.62	DN100	7.62796	0.24	0.92	
NC9	NT6	10.76	DN100	-2.92487	-0.02	-0.35		NC53	NT19	5.16	DN100	-8.20547	-0.06	-0.98	
NC10	NC11	9.44	DN100	1.27987	0.00	0.15	Vel.< 0.3 m/s	NC54	NC55	3.62	DN100	7.05047	0.03	0.85	

NC55	NC56	21.34	DN100	6.47296	0.15	0.78		NC95	NC96	15.09	DN100	4.63900	0.06	0.56	
NC56	NT20	1.26	DN100	5.89547	0.01	0.71		NC96	NC97	15.08	DN100	4.60400	0.06	0.55	
NC57	NC72	31.20	DN100	-1.67869	-0.02	-0.20	Vel.< 0.3 m/s	NC97	NC98	15.10	DN100	4.56900	0.06	0.55	
NC57	NT21	1.09	DN100	1.10119	0.00	0.13	Vel.< 0.3 m/s	NC98	NC99	14.99	DN100	4.53400	0.06	0.54	
NC58	NC59	51.60	DN100	1.07488	0.02	0.13	Vel.< 0.3 m/s	NC99	NT34	13.03	DN100	4.49900	0.05	0.54	
NC58	NT23	27.48	DN100	-1.49488	-0.01	-0.18	Vel.< 0.3 m/s	NC100	NC101	10.07	DN100	1.01126	0.00	0.12	Vel.< 0.3 m/s
NC60	NT24	5.22	DN100	0.23488	0.00	0.03	Vel.< 0.3 m/s	NC100	NT35	10.45	DN100	-1.02876	-0.00	-0.12	Vel.< 0.3 m/s
NC61	NT25	28.29	DN100	0.42586	0.00	0.05	Vel.< 0.3 m/s	NC101	NC102	15.08	DN100	0.97626	0.00	0.12	Vel.< 0.3 m/s
NC61	NT26	97.13	DN100	-1.16086	-0.03	-0.14	Vel.< 0.3 m/s	NC103	NC104	15.24	DN100	0.90626	0.00	0.11	Vel.< 0.3 m/s
NC62	NC63	80.65	DN250	6.98666	0.01	0.14	Vel.< 0.3 m/s	NC105	NC106	14.82	DN100	-1.66374	-0.01	-0.20	Vel.< 0.3 m/s
NC63	NC64	49.85	DN250	-3.01335	-0.00	-0.06	Vel.< 0.3 m/s	NC106	NT36	11.82	DN100	-1.69874	-0.01	-0.20	Vel.< 0.3 m/s
NC64	NT97	9.70	DN250	-13.01335	-0.00	-0.26	Vel.< 0.3 m/s	NC107	NC108	15.01	DN100	0.03298	0.00	0.00	Vel.< 0.3 m/s
NC65	NC66	89.95	DN250	-30.18989	-0.13	-0.60		NC107	NT37	12.94	DN100	-0.06798	-0.00	-0.01	Vel.< 0.3 m/s
NC65	NT97	42.30	DN250	23.18989	0.04	0.46		NC108	NC109	15.05	DN100	0.00000	-0.00	0.00	Vel.< 0.3 m/s
NC66	NC67	19.78	DN250	-37.18991	-0.04	-0.73		NC109	NC110	15.23	DN100	-0.03702	-0.00	-0.00	Vel.< 0.3 m/s
NC67	NT57	47.42	DN250	-37.33990	-0.10	-0.74		NC110	NC111	14.90	DN100	-0.07202	-0.00	-0.01	Vel.< 0.3 m/s
NC68	NT19	13.65	DN100	-0.86594	-0.00	-0.10	Vel.< 0.3 m/s	NC111	NC112	14.93	DN100	-0.10702	-0.00	-0.01	Vel.< 0.3 m/s
NC71	NT27	11.88	DN100	-1.44406	-0.01	-0.17	Vel.< 0.3 m/s	NC112	NC113	14.85	DN100	-0.14202	-0.00	-0.02	Vel.< 0.3 m/s
NC72	NC73	14.24	DN100	-2.25619	-0.02	-0.27	Vel.< 0.3 m/s	NC113	NC114	12.54	DN100	-0.17702	-0.00	-0.02	Vel.< 0.3 m/s
NC73	NC74	52.76	DN100	-2.83369	-0.09	-0.34		NC114	NT38	12.09	DN100	-0.19452	-0.00	-0.02	Vel.< 0.3 m/s
NC74	NT28	11.65	DN100	-3.41119	-0.03	-0.41		NC115	NC116	15.06	DN100	4.42136	0.05	0.53	
NC75	NC76	24.83	DN100	5.71622	0.14	0.69		NC117	NC118	15.00	DN100	4.35136	0.05	0.52	
NC75	NT22	10.93	DN100	-6.13622	-0.07	-0.74		NC119	NC120	15.01	DN100	4.28136	0.05	0.51	
NC76	NC77	41.44	DN100	5.29622	0.21	0.64		NC121	NC122	14.98	DN100	4.21136	0.05	0.51	
NC78	NT29	11.09	DN100	-12.14378	-0.25	-1.46		NC123	NC124	10.11	DN100	0.22220	0.00	0.03	Vel.< 0.3 m/s
NC79	NC80	35.36	DN100	-3.32105	-0.08	-0.40		NC123	NT41	10.42	DN100	-0.23970	-0.00	-0.03	Vel.< 0.3 m/s
NC79	NT24	9.36	DN100	2.90105	0.02	0.35		NC124	NC125	15.08	DN100	0.18720	0.00	0.02	Vel.< 0.3 m/s
NC80	NC81	17.42	DN100	-3.74105	-0.05	-0.45		NC126	NC127	14.82	DN100	0.11720	0.00	0.01	Vel.< 0.3 m/s
NC81	NT30	10.90	DN100	-4.16105	-0.04	-0.50		NC128	NC129	14.91	DN100	0.04720	0.00	0.01	Vel.< 0.3 m/s
NC82	NT25	33.75	DN100	3.36467	0.08	0.40		NC129	NT42	11.79	DN100	0.00000	0.00	0.00	Vel.< 0.3 m/s
NC83	NC84	42.61	DN100	5.82662	0.26	0.70		NC130	NC131	15.12	DN100	-0.60575	-0.00	-0.07	Vel.< 0.3 m/s
NC83	NT27	17.88	DN100	-6.40412	-0.13	-0.77		NC130	NT43	13.07	DN100	0.57075	0.00	0.07	Vel.< 0.3 m/s
NC84	NC85	10.37	DN100	5.24912	0.05	0.63		NC132	NC133	14.98	DN100	-0.67575	-0.00	-0.08	Vel.< 0.3 m/s
NC85	NC86	35.23	DN100	4.67162	0.14	0.56		NC134	NC135	15.00	DN100	-0.74575	-0.00	-0.09	Vel.< 0.3 m/s
NC86	NT28	7.25	DN100	4.09412	0.02	0.49		NC136	NC137	13.25	DN100	-0.81575	-0.00	-0.10	Vel.< 0.3 m/s
NC87	NC88	18.57	DN100	-0.08986	-0.00	-0.01	Vel.< 0.3 m/s	NC137	NT44	10.07	DN100	-0.83325	-0.00	-0.10	Vel.< 0.3 m/s
NC87	NT29	26.86	DN100	-0.33014	-0.00	-0.04	Vel.< 0.3 m/s	NC138	NC139	14.93	DN100	-2.68655	-0.02	-0.32	
NC88	NC89	22.60	DN100	-0.50986	-0.00	-0.06	Vel.< 0.3 m/s	NC138	NT45	8.36	DN100	2.65155	0.01	0.32	
NC89	NC90	13.93	DN100	-0.92986	-0.00	-0.11	Vel.< 0.3 m/s	NC139	NC140	15.08	DN100	-2.72155	-0.02	-0.33	
NC90	NT30	25.41	DN100	-1.34986	-0.01	-0.16	Vel.< 0.3 m/s	NC140	NC141	15.08	DN100	-2.75655	-0.02	-0.33	
NC91	NT31	23.26	DN100	-0.69509	-0.00	-0.08	Vel.< 0.3 m/s	NC141	NC142	14.90	DN100	-2.79155	-0.02	-0.34	
NC91	NT32	107.19	DN100	-0.03992	-0.00	-0.00	Vel.< 0.3 m/s	NC142	NC143	14.89	DN100	-2.82655	-0.02	-0.34	
NC92	NC93	10.54	DN100	4.74400	0.04	0.57		NC143	NC144	15.11	DN100	-2.86155	-0.03	-0.34	
NC92	NT33	4.91	DN100	-4.76150	-0.02	-0.57		NC144	NC145	15.10	DN100	-2.89655	-0.03	-0.35	
NC93	NC94	14.91	DN100	4.70900	0.06	0.57		NC145	NC146	15.15	DN100	-2.93155	-0.03	-0.35	
NC94	NC95	14.90	DN100	4.67400	0.06	0.56		NC146	NT46	13.00	DN100	-2.96655	-0.02	-0.36	

NC147	NC148	11.73	DN100	-1.27038	-0.00	-0.15	Vel.< 0.3 m/s
NC147	NT47	8.80	DN100	1.25288	0.00	0.15	Vel.< 0.3 m/s
NC148	NC149	15.01	DN100	-1.30538	-0.01	-0.16	Vel.< 0.3 m/s
NC149	NC150	14.96	DN100	-1.34038	-0.01	-0.16	Vel.< 0.3 m/s
NC150	NC151	15.08	DN100	-1.37538	-0.01	-0.17	Vel.< 0.3 m/s
NC151	NC152	15.11	DN100	-1.41038	-0.01	-0.17	Vel.< 0.3 m/s
NC152	NC153	14.82	DN100	-1.44538	-0.01	-0.17	Vel.< 0.3 m/s
NC153	NT48	11.83	DN100	-1.48038	-0.01	-0.18	Vel.< 0.3 m/s
NC154	NC155	12.73	DN100	-0.16211	-0.00	-0.02	Vel.< 0.3 m/s
NC154	NT49	7.71	DN100	0.14461	0.00	0.02	Vel.< 0.3 m/s
NC155	NC156	14.81	DN100	-0.19711	-0.00	-0.02	Vel.< 0.3 m/s
NC156	NC157	15.12	DN100	-0.23211	-0.00	-0.03	Vel.< 0.3 m/s
NC157	NC158	14.98	DN100	-0.26711	-0.00	-0.03	Vel.< 0.3 m/s
NC158	NC159	14.92	DN100	-0.30211	-0.00	-0.04	Vel.< 0.3 m/s
NC159	NC160	15.11	DN100	-0.33711	-0.00	-0.04	Vel.< 0.3 m/s
NC160	NC161	14.99	DN100	-0.37211	-0.00	-0.04	Vel.< 0.3 m/s
NC161	NT50	15.50	DN100	-0.40711	-0.00	-0.05	Vel.< 0.3 m/s
NC162	NC163	13.11	DN100	-1.91482	-0.01	-0.23	Vel.< 0.3 m/s
NC162	NT51	13.79	DN100	1.89732	0.01	0.23	Vel.< 0.3 m/s
NC164	NC165	15.15	DN100	-1.98482	-0.01	-0.24	Vel.< 0.3 m/s
NC166	NC167	14.86	DN100	-2.05482	-0.01	-0.25	Vel.< 0.3 m/s
NC168	NC169	15.00	DN100	-2.12482	-0.01	-0.26	Vel.< 0.3 m/s
NC170	NC171	14.72	DN100	-2.19482	-0.02	-0.26	Vel.< 0.3 m/s
NC172	NT52	11.43	DN100	5.19637	0.06	0.62	
NC172	NT60	66.00	DN100	-5.70636	-0.38	-0.68	
NC173	NC174	10.89	DN100	-2.99480	-0.02	-0.36	
NC173	NT53	9.66	DN100	2.97730	0.02	0.36	
NC174	NC175	15.17	DN100	-3.02980	-0.03	-0.36	
NC176	NC177	15.06	DN100	-3.09980	-0.03	-0.37	
NC178	NC179	14.94	DN100	-3.16980	-0.03	-0.38	
NC179	NT54	11.53	DN100	-3.20480	-0.02	-0.38	
NC180	NT54	10.13	DN100	8.57410	0.12	1.03	
NC180	NT64	67.07	DN100	-8.88609	-0.87	-1.07	
NC182	NC183	11.28	DN100	-0.19015	-0.00	-0.02	Vel.< 0.3 m/s
NC182	NT55	9.25	DN100	0.17265	0.00	0.02	Vel.< 0.3 m/s
NC184	NC185	14.99	DN100	-0.26015	-0.00	-0.03	Vel.< 0.3 m/s
NC186	NC187	14.86	DN100	-0.33015	-0.00	-0.04	Vel.< 0.3 m/s
NC188	NC189	14.99	DN100	-0.40015	-0.00	-0.05	Vel.< 0.3 m/s
NC189	NT56	10.84	DN100	-0.43515	-0.00	-0.05	Vel.< 0.3 m/s
NC190	NC191	29.77	DN100	-1.84918	-0.02	-0.22	Vel.< 0.3 m/s
NC191	NT60	27.49	DN100	-1.88418	-0.02	-0.23	Vel.< 0.3 m/s
NC192	NT61	12.22	DN100	-17.06591	-0.53	-2.05	
NC194	NC195	22.66	DN100	-6.38387	-0.16	-0.77	
NC194	NT59	34.25	DN100	6.34887	0.24	0.76	
NC195	NC196	15.01	DN100	-6.41887	-0.11	-0.77	
NC196	NC197	14.88	DN100	-6.45387	-0.11	-0.77	

NC197	NC198	15.08	DN100	-6.48887	-0.11	-0.78	
NC199	NC262	16.69	DN100	-10.98613	-0.32	-1.32	
NC199	NT60	29.17	DN100	10.95113	0.55	1.31	
NC200	NT61	12.58	DN100	9.77937	0.19	1.17	
NC201	NC202	14.89	DN100	-9.84937	-0.23	-1.18	
NC203	NT70	0.87	DN100	-7.48404	-0.01	-0.90	
NC204	NC205	17.32	DN100	-3.84771	-0.05	-0.46	
NC204	NT62	24.58	DN100	3.81271	0.07	0.46	
NC205	NC206	17.34	DN100	-3.88271	-0.05	-0.47	
NC206	NC207	17.29	DN100	-3.91771	-0.05	-0.47	
NC207	NT71	13.38	DN100	-3.95271	-0.04	-0.47	
NC208	NC209	14.91	DN100	-3.54558	-0.04	-0.43	
NC208	NT63	12.76	DN100	3.51058	0.03	0.42	
NC210	NC211	15.32	DN100	-3.61558	-0.04	-0.43	
NC212	NC213	12.05	DN100	-3.68558	-0.03	-0.44	
NC213	NT72	8.79	DN100	-3.70308	-0.02	-0.44	
NC214	NC215	16.79	DN100	-3.92891	-0.05	-0.47	
NC214	NT64	22.86	DN100	3.89391	0.07	0.47	
NC215	NC216	17.28	DN100	-3.96391	-0.05	-0.48	
NC216	NC217	16.70	DN100	-3.99891	-0.05	-0.48	
NC217	NC218	16.85	DN100	-4.03391	-0.05	-0.48	
NC218	NC219	16.58	DN100	-4.06891	-0.05	-0.49	
NC219	NT73	8.66	DN100	-4.08641	-0.03	-0.49	
NC220	NT65	12.78	DN100	3.84238	0.04	0.46	
NC221	NC222	14.79	DN100	-3.91238	-0.04	-0.47	
NC223	NC224	15.10	DN100	-3.98238	-0.05	-0.48	
NC225	NC226	14.93	DN100	-4.05238	-0.05	-0.49	
NC227	NT74	7.89	DN100	-4.12238	-0.03	-0.49	
NC228	NC229	16.18	DN100	-4.79476	-0.07	-0.58	
NC228	NT66	13.53	DN100	4.77726	0.06	0.57	
NC231	NC232	16.69	DN100	-4.89976	-0.07	-0.59	
NC233	NC234	16.63	DN100	-4.96976	-0.07	-0.60	
NC235	NC236	16.64	DN100	-5.03976	-0.08	-0.60	
NC237	NC238	14.96	DN100	-4.83474	-0.06	-0.58	
NC237	NT67	12.82	DN100	4.79974	0.05	0.58	
NC238	NC239	14.97	DN100	-4.86974	-0.06	-0.58	
NC239	NC240	15.07	DN100	-4.90474	-0.07	-0.59	
NC240	NC241	14.91	DN100	-4.93974	-0.07	-0.59	
NC241	NC242	14.82	DN100	-4.97474	-0.07	-0.60	
NC242	NC243	15.02	DN100	-5.00974	-0.07	-0.60	
NC243	NC244	14.96	DN100	-5.04474	-0.07	-0.61	
NC244	NC245	14.96	DN100	-5.07974	-0.07	-0.61	
NC245	NC246	14.93	DN100	-5.11474	-0.07	-0.61	
NC246	NC247	15.15	DN100	-5.14974	-0.07	-0.62	
NC247	NC248	14.68	DN100	-5.18474	-0.07	-0.62	
NC248	NT76	6.24	DN100	-5.21974	-0.03	-0.63	

NC249	NT68	21.13	DN100	4.01990	0.06	0.48	
NC253	NC254	16.59	DN100	-4.19490	-0.05	-0.50	
NC255	NC256	16.31	DN100	-4.26490	-0.06	-0.51	
NC257	NC258	16.39	DN100	-4.33490	-0.06	-0.52	
NC259	NC260	16.33	DN100	-4.40490	-0.06	-0.53	
NC261	NT79	7.52	DN100	-4.47490	-0.03	-0.54	
NC262	NT69	2.12	DN100	-11.02114	-0.04	-1.32	
NC263	NT58	3.32	DN100	-2.85063	-0.01	-0.34	
NT1	NT2	41.50	DN150	7.30646	0.05	0.40	
NT3	NT4	27.71	DN100	6.28151	0.19	0.75	
NT5	NT6	15.71	DN100	2.85118	0.03	0.34	
NT8	SG1	137.03	DN200	-71.23966	-2.93	-2.19	
NT9	NT10	25.53	DN150	9.87519	0.06	0.53	
NT9	NT18	38.82	DN250	26.05809	0.04	0.51	
NT11	NT12	8.69	DN100	6.83343	0.07	0.82	
NT12	NT13	25.40	DN100	6.42013	0.18	0.77	
NT14	NT23	37.00	DN100	0.63445	0.00	0.08	Vel.< 0.3 m/s
NT15	NT16	15.70	DN100	1.90656	0.01	0.23	Vel.< 0.3 m/s
NT15	NT24	40.35	DN100	-3.33055	-0.09	-0.40	
NT16	NT25	40.35	DN100	-3.59590	-0.10	-0.43	
NT17	NT26	38.84	DN100	-4.80636	-0.16	-0.58	
NT22	NT23	11.33	DN100	0.86043	0.00	0.10	Vel.< 0.3 m/s
NT24	NT25	15.70	DN100	-0.19462	-0.00	-0.02	Vel.< 0.3 m/s
NT26	NT32	22.79	DN100	-5.96722	-0.14	-0.72	
NT27	NT33	15.31	DN100	2.32837	0.02	0.28	Vel.< 0.3 m/s
NT27	NT97	25.95	DN150	-10.17655	-0.06	-0.55	
NT28	NT29	25.40	DN100	7.43552	0.24	0.89	
NT28	NT34	14.40	DN100	-6.75259	-0.11	-0.81	
NT29	NT35	14.40	DN100	-5.03840	-0.07	-0.60	
NT30	NT31	14.40	DN100	-1.15349	-0.00	-0.14	Vel.< 0.3 m/s
NT30	NT36	14.40	DN100	-4.35742	-0.05	-0.52	
NT31	NT37	14.40	DN100	-5.94824	-0.09	-0.71	
NT32	NT38	14.69	DN100	-6.00713	-0.09	-0.72	
NT34	NT40	49.00	DN100	-2.25359	-0.05	-0.27	Vel.< 0.3 m/s
NT35	NT41	49.00	DN100	-6.06716	-0.32	-0.73	
NT36	NT42	49.00	DN100	-6.05616	-0.32	-0.73	
NT40	NT41	25.40	DN100	1.92277	0.02	0.23	Vel.< 0.3 m/s
NT41	NT47	11.40	DN100	-4.38409	-0.04	-0.53	
NT42	NT43	14.40	DN80	-2.15505	-0.04	-0.39	
NT42	NT48	11.40	DN80	-3.88892	-0.09	-0.71	
NT43	NT49	11.40	DN100	-7.60052	-0.11	-0.91	
NT44	NT50	11.42	DN100	-7.03490	-0.10	-0.84	
NT46	NT52	49.00	DN100	-2.96655	-0.09	-0.36	
NT48	NT54	49.00	DN100	-5.36929	-0.25	-0.64	
NT57	NT58	25.07	DN150	-5.32992	-0.02	-0.29	Vel.< 0.3 m/s
NT57	NT82	92.44	DN250	-32.00998	-0.15	-0.63	

NT58	NT59	34.49	DN100	-8.18054	-0.38	-0.98	
NT60	NT61	25.91	DN100	3.36059	0.06	0.40	
NT62	NT63	9.49	DN100	-0.11325	-0.00	-0.01	Vel.< 0.3 m/s
NT64	NT65	14.53	DN80	-1.59485	-0.02	-0.29	Vel.< 0.3 m/s
NT65	NT66	49.45	DN100	-5.37773	-0.26	-0.65	
NT66	NT67	9.42	DN100	-0.60047	-0.00	-0.07	Vel.< 0.3 m/s
NT67	NT68	53.79	DN100	4.19926	0.18	0.50	
NT69	NT81	11.78	DN100	-17.54499	-0.53	-2.11	
NT70	NT81	13.62	DN100	-17.36839	-0.61	-2.08	
NT71	NT72	9.20	DN100	3.49632	0.02	0.42	
NT75	NT80	5.95	DN100	-13.49031	-0.17	-1.62	
NT76	NT80	5.95	DN100	-9.69464	-0.09	-1.16	
NT78	NT79	16.02	DN100	4.47490	0.06	0.54	
NT80	SG2	30.07	DN150	-23.18494	-0.32	-1.25	
NT81	SG3	38.53	DN150	-34.91338	-0.88	-1.89	
NT82	NT83	29.12	DN250	-32.00999	-0.05	-0.63	
NT83	NT84	34.65	DN250	-32.00999	-0.06	-0.63	
NT84	NT85	26.41	DN250	-32.00999	-0.04	-0.63	
NT85	NT86	185.68	DN250	-32.00997	-0.31	-0.63	
NT86	NT87	82.40	DN250	-32.00998	-0.14	-0.63	
NT87	NT89	23.72	DN250	-32.01000	-0.04	-0.63	
NT89	NT90	59.94	DN250	-32.00998	-0.10	-0.63	
NT90	NT91	88.50	DN250	-32.00998	-0.15	-0.63	
NT91	NT92	102.27	DN250	-32.00998	-0.17	-0.63	
NT92	NT93	39.08	DN250	-32.00999	-0.06	-0.63	
NT93	NT94	27.64	DN250	-32.00999	-0.05	-0.63	
NT94	SG4	16.46	DN250	-32.01000	-0.03	-0.63	

Combinaciones: H10+H12

Inicio	Final	Longitud m	Diámetros mm	Caudal l/s	Périd. m.c.a.	Velocidad m/s	Coment.
BR39	NC39	25.31	DN100	-2.48439	-0.03	-0.30	Vel.< 0.3 m/s
BR39	NC40	20.66	DN100	2.48439	0.03	0.30	Vel.< 0.3 m/s
BR48	NT21	7.01	DN100	-3.89692	-0.02	-0.47	
BR48	NT22	18.49	DN100	3.89692	0.05	0.47	
BR52	NC59	11.31	DN100	-1.71609	-0.01	-0.21	Vel.< 0.3 m/s
BR52	NC60	9.90	DN100	1.71609	0.01	0.21	Vel.< 0.3 m/s
BR64	NC104	12.64	DN100	-1.75106	-0.01	-0.21	Vel.< 0.3 m/s
BR64	NC105	2.50	DN100	-0.74894	-0.00	-0.09	Vel.< 0.3 m/s
BR65	NC102	12.59	DN100	-1.82106	-0.01	-0.22	Vel.< 0.3 m/s
BR65	NC103	2.17	DN100	1.82106	0.00	0.22	Vel.< 0.3 m/s
BR88	NC127	11.50	DN100	0.56810	0.00	0.07	Vel.< 0.3 m/s
BR88	NC128	3.49	DN100	-0.56810	-0.00	-0.07	Vel.< 0.3 m/s
BR89	NC125	11.53	DN100	0.49810	0.00	0.06	Vel.< 0.3 m/s
BR89	NC126	3.70	DN100	-0.49810	-0.00	-0.06	Vel.< 0.3 m/s

BR92	NC120	7.89	DN100	-2.79036	-0.01	-0.33	
BR92	NC121	7.07	DN100	2.79036	0.01	0.33	
BR93	NC118	8.00	DN100	-2.86036	-0.01	-0.34	
BR93	NC119	7.14	DN100	2.86036	0.01	0.34	
BR99	H9	21.39	DN100	-1.48761	-0.01	-0.18	Vel.< 0.3 m/s
BR99	NT51	6.66	DN100	1.48761	0.00	0.18	Vel.< 0.3 m/s
BR107	NC181	4.70	DN100	-6.07695	-0.03	-0.73	
BR107	NT55	6.01	DN100	6.07695	0.04	0.73	
BR115	NC169	2.77	DN100	1.79397	0.00	0.22	Vel.< 0.3 m/s
BR115	NC170	12.41	DN100	-1.79397	-0.01	-0.22	Vel.< 0.3 m/s
H1	NC1	9.98	DN100	6.46994	0.07	0.78	
H1	NT2	10.61	DN100	-6.46994	-0.08	-0.78	
H2	NC8	18.03	DN100	-2.03188	-0.02	-0.24	Vel.< 0.3 m/s
H2	NT5	5.47	DN100	2.03189	0.00	0.24	Vel.< 0.3 m/s
H3	NC13	5.44	DN100	-0.42485	-0.00	-0.05	Vel.< 0.3 m/s
H3	NT7	3.12	DN100	0.42485	0.00	0.05	Vel.< 0.3 m/s
H4	NC62	31.11	DN250	20.48966	0.02	0.40	
H4	NT18	7.10	DN250	-20.48967	-0.01	-0.40	
H5	N11	28.66	DN100	-0.47769	-0.00	-0.06	Vel.< 0.3 m/s
H5	N12	2.54	DN100	0.47769	0.00	0.06	Vel.< 0.3 m/s
H6	NC77	7.27	DN100	2.25169	0.01	0.27	Vel.< 0.3 m/s
H6	NC78	15.27	DN100	-2.25169	-0.02	-0.27	Vel.< 0.3 m/s
H7	N10	13.86	DN100	3.85517	0.04	0.46	
H7	NT31	15.24	DN100	-3.85517	-0.04	-0.46	
H8	N23	27.84	DN100	5.07753	0.13	0.61	
H8	N24	2.91	DN100	-5.07754	-0.01	-0.61	
H9	N71	8.63	DN100	-1.48761	-0.00	-0.18	Vel.< 0.3 m/s
H10	N82	6.56	DN100	-2.46489	-0.01	-0.30	Vel.< 0.3 m/s
H10	NC192	15.26	DN100	-14.13511	-0.46	-1.70	
H11	N38	25.00	DN100	6.41895	0.18	0.77	
H11	N39	5.06	DN100	-6.41895	-0.04	-0.77	
H12	NC198	7.06	DN100	-2.43043	-0.01	-0.29	Vel.< 0.3 m/s
H12	NT69	34.08	DN100	-14.16957	-1.04	-1.70	
H13	NC250	6.92	DN100	3.75729	0.02	0.45	
H13	NC251	9.77	DN100	-3.75729	-0.03	-0.45	
H14	N53	22.21	DN100	-8.27423	-0.25	-0.99	
H14	N58	8.16	DN100	8.27423	0.09	0.99	
N1	NC23	28.40	DN100	1.47541	0.01	0.18	Vel.< 0.3 m/s
N1	NC24	15.62	DN100	-1.47541	-0.01	-0.18	Vel.< 0.3 m/s
N2	NC21	11.08	DN100	0.91541	0.00	0.11	Vel.< 0.3 m/s
N2	NC22	24.47	DN100	-0.91541	-0.01	-0.11	Vel.< 0.3 m/s
N3	NC33	21.20	DN100	0.40657	0.00	0.05	Vel.< 0.3 m/s
N3	NC34	12.38	DN100	-0.40657	-0.00	-0.05	Vel.< 0.3 m/s
N4	NC35	8.76	DN100	1.73657	0.01	0.21	Vel.< 0.3 m/s
N4	NC36	18.71	DN100	-1.73657	-0.01	-0.21	Vel.< 0.3 m/s
N5	NC37	25.14	DN100	2.14686	0.03	0.26	Vel.< 0.3 m/s

N5	NT13	6.22	DN100	-2.14686	-0.01	-0.26	Vel.< 0.3 m/s
N6	NC9	49.73	DN100	-2.04265	-0.05	-0.25	Vel.< 0.3 m/s
N6	NC10	4.11	DN100	2.04265	0.00	0.25	Vel.< 0.3 m/s
N7	N8	30.01	DN100	-1.24735	-0.01	-0.15	Vel.< 0.3 m/s
N7	NC13	4.29	DN100	1.24735	0.00	0.15	Vel.< 0.3 m/s
N8	NC14	3.43	DN100	-1.24735	-0.00	-0.15	Vel.< 0.3 m/s
N9	NC16	9.67	DN100	3.71486	0.03	0.45	
N9	NT17	9.23	DN100	-3.71486	-0.02	-0.45	
N10	NC82	3.91	DN100	3.85517	0.01	0.46	
N11	NC71	1.66	DN100	-0.47769	-0.00	-0.06	Vel.< 0.3 m/s
N12	NC70	28.65	DN100	0.47769	0.00	0.06	Vel.< 0.3 m/s
N13	NC69	9.68	DN100	-0.09981	-0.00	-0.01	Vel.< 0.3 m/s
N13	NC70	1.36	DN100	0.00000	0.00	0.00	Vel.< 0.3 m/s
N14	N15	30.01	DN100	-0.67731	-0.00	-0.08	Vel.< 0.3 m/s
N14	NC69	20.34	DN100	0.67731	0.00	0.08	Vel.< 0.3 m/s
N15	NC68	19.49	DN100	-0.67731	-0.00	-0.08	Vel.< 0.3 m/s
N16	NT20	13.46	DN100	-3.59356	-0.03	-0.43	
N16	NT21	26.25	DN100	3.59356	0.07	0.43	
N17	NT18	4.50	DN100	-7.15837	-0.04	-0.86	
N17	NT19	20.61	DN150	7.15837	0.03	0.39	
N18	N19	30.00	DN100	-1.99937	-0.03	-0.24	Vel.< 0.3 m/s
N18	NT33	1.22	DN100	1.99938	0.00	0.24	Vel.< 0.3 m/s
N19	NT39	21.29	DN100	-1.99937	-0.02	-0.24	Vel.< 0.3 m/s
N20	NC115	7.00	DN100	3.00036	0.01	0.36	
N20	NT39	12.08	DN100	-3.00036	-0.02	-0.36	
N21	NC116	7.97	DN100	-2.93036	-0.01	-0.35	
N21	NC117	7.11	DN100	2.93036	0.01	0.35	
N22	NC122	7.96	DN100	-2.72036	-0.01	-0.33	
N22	NT40	5.05	DN100	2.72036	0.01	0.33	
N23	NT38	4.65	DN100	5.07754	0.02	0.61	
N24	NT44	13.63	DN100	-5.07753	-0.06	-0.61	
N25	NC135	8.58	DN100	0.80215	0.00	0.10	Vel.< 0.3 m/s
N25	NC136	6.36	DN100	-0.80215	-0.00	-0.10	Vel.< 0.3 m/s
N26	NC133	8.63	DN100	0.73215	0.00	0.09	Vel.< 0.3 m/s
N26	NC134	6.43	DN100	-0.73215	-0.00	-0.09	Vel.< 0.3 m/s
N27	NC131	8.59	DN100	0.66215	0.00	0.08	Vel.< 0.3 m/s
N27	NC132	6.40	DN100	-0.66215	-0.00	-0.08	Vel.< 0.3 m/s
N28	NT37	22.80	DN100	4.81911	0.10	0.58	
N28	NT43	26.20	DN100	-4.81911	-0.11	-0.58	
N29	N30	26.90	DN100	-6.38614	-0.19	-0.77	
N29	NT50	4.00	DN100	6.38614	0.03	0.77	
N30	NT56	18.31	DN100	-6.38614	-0.13	-0.77	
N31	NT49	24.01	DN100	6.37566	0.17	0.77	
N31	NT55	25.00	DN100	-6.37566	-0.18	-0.77	
N32	NC183	11.20	DN100	0.35121	0.00	0.04	Vel.< 0.3 m/s
N32	NC184	3.84	DN100	-0.35121	-0.00	-0.04	Vel.< 0.3 m/s

N33	NC185	11.17	DN100	0.42121	0.00	0.05	Vel.< 0.3 m/s	N58	NT74	15.12	DN100	8.27423	0.17	0.99	
N33	NC186	3.89	DN100	-0.42121	-0.00	-0.05	Vel.< 0.3 m/s	N59	NT73	1.43	DN100	4.63975	0.01	0.56	
N34	NC187	11.27	DN100	0.49121	0.00	0.06	Vel.< 0.3 m/s	N59	NT74	13.44	DN100	-4.63975	-0.05	-0.56	
N34	NC188	3.84	DN100	-0.49121	-0.00	-0.06	Vel.< 0.3 m/s	N60	NC211	5.54	DN100	3.54846	0.01	0.43	
N35	N36	29.97	DN100	-6.94735	-0.25	-0.83		N60	NC212	9.39	DN100	-3.54846	-0.02	-0.43	
N35	NT56	11.57	DN100	6.94736	0.10	0.83		N61	NT72	20.58	DN100	0.99919	0.01	0.12	Vel.< 0.3 m/s
N36	NC193	24.37	DN100	-6.94735	-0.20	-0.83		N61	NT73	28.62	DN100	-0.99919	-0.01	-0.12	Vel.< 0.3 m/s
N37	NC193	5.64	DN100	7.28936	0.05	0.87		N62	NC209	5.13	DN100	3.47846	0.01	0.42	
N37	NT68	6.64	DN100	-7.28936	-0.06	-0.87		N62	NC210	9.54	DN100	-3.47846	-0.02	-0.42	
N38	NC181	25.31	DN100	6.41895	0.18	0.77		N63	N64	30.01	DN100	2.03999	0.03	0.24	Vel.< 0.3 m/s
N39	NT65	11.16	DN100	-6.41895	-0.08	-0.77		N63	NT63	14.40	DN100	-2.03999	-0.01	-0.24	Vel.< 0.3 m/s
N40	NC249	4.28	DN100	3.72229	0.01	0.45		N64	NT64	5.16	DN100	2.03999	0.00	0.24	Vel.< 0.3 m/s
N40	NC250	12.31	DN100	-3.72229	-0.03	-0.45		N65	NC203	26.65	DN100	-6.41353	-0.19	-0.77	
N41	NC251	1.65	DN100	3.79230	0.00	0.46		N65	NT71	24.96	DN100	6.41353	0.18	0.77	
N41	NC252	14.84	DN100	-3.79229	-0.04	-0.46		N66	NT61	31.89	DN100	5.04023	0.15	0.60	
N42	NC252	14.62	DN100	3.82729	0.04	0.46		N66	NT62	18.12	DN100	-5.04023	-0.08	-0.60	
N42	NC253	1.62	DN100	-3.82730	-0.00	-0.46		N67	NC200	13.49	DN100	9.51055	0.20	1.14	
N43	NC254	11.88	DN100	3.89729	0.03	0.47		N67	NC201	1.64	DN100	-9.51056	-0.02	-1.14	
N43	NC255	4.37	DN100	-3.89729	-0.01	-0.47		N68	NC202	13.51	DN100	9.58055	0.20	1.15	
N44	NC256	9.37	DN100	3.96729	0.03	0.48		N68	NT70	1.58	DN100	-9.58056	-0.02	-1.15	
N44	NC257	6.85	DN100	-3.96729	-0.02	-0.48		N69	N70	28.09	DN100	3.47851	0.07	0.42	
N45	NC258	6.77	DN100	4.03729	0.02	0.48		N69	NC190	58.73	DN100	-3.47851	-0.14	-0.42	
N45	NC259	9.53	DN100	-4.03729	-0.03	-0.48		N70	NT59	7.59	DN100	3.47851	0.02	0.42	
N46	NC260	4.16	DN100	4.10730	0.01	0.49		N71	N72	30.00	DN100	-1.48761	-0.02	-0.18	Vel.< 0.3 m/s
N46	NC261	20.56	DN100	-4.10729	-0.07	-0.49		N72	NC263	2.39	DN100	-1.48761	-0.00	-0.18	Vel.< 0.3 m/s
N47	NT76	9.30	DN100	-4.14229	-0.03	-0.50		N73	NT45	26.53	DN100	3.01907	0.05	0.36	
N47	NT78	34.62	DN100	4.14229	0.11	0.50		N73	NT51	23.37	DN100	-3.01908	-0.04	-0.36	
N48	NC229	1.91	DN100	4.48643	0.01	0.54		N74	NT39	8.73	DN100	4.99973	0.04	0.60	
N48	NC230	14.38	DN100	-4.48642	-0.05	-0.54		N74	NT45	3.49	DN100	-4.99973	-0.02	-0.60	
N49	NC230	14.58	DN100	4.52142	0.06	0.54		N75	NC163	2.74	DN100	1.58397	0.00	0.19	Vel.< 0.3 m/s
N49	NC231	2.43	DN100	-4.52143	-0.01	-0.54		N75	NC164	12.08	DN100	-1.58397	-0.01	-0.19	Vel.< 0.3 m/s
N50	NC232	11.20	DN100	4.59142	0.04	0.55		N76	NC165	2.78	DN100	1.65397	0.00	0.20	Vel.< 0.3 m/s
N50	NC233	5.43	DN100	-4.59143	-0.02	-0.55		N76	NC166	12.20	DN100	-1.65397	-0.01	-0.20	Vel.< 0.3 m/s
N51	NC234	7.91	DN100	4.66142	0.03	0.56		N77	NC167	2.95	DN100	1.72397	0.00	0.21	Vel.< 0.3 m/s
N51	NC235	8.78	DN100	-4.66142	-0.04	-0.56		N77	NC168	12.23	DN100	-1.72397	-0.01	-0.21	Vel.< 0.3 m/s
N52	NC236	4.59	DN100	4.73143	0.02	0.57		N78	NC171	2.95	DN100	1.86397	0.00	0.22	Vel.< 0.3 m/s
N52	NT75	20.73	DN100	-4.73142	-0.09	-0.57		N78	NT52	10.07	DN100	-1.86397	-0.01	-0.22	Vel.< 0.3 m/s
N53	NT75	9.20	DN100	-8.27423	-0.10	-0.99		N79	N80	26.94	DN100	-0.52404	-0.00	-0.06	Vel.< 0.3 m/s
N54	NC220	6.39	DN100	3.38949	0.01	0.41		N79	NT47	5.52	DN100	0.52404	0.00	0.06	Vel.< 0.3 m/s
N54	NC221	8.67	DN100	-3.38949	-0.02	-0.41		N80	NT53	16.54	DN100	-0.52404	-0.00	-0.06	Vel.< 0.3 m/s
N55	NC222	6.58	DN100	3.45949	0.02	0.42		N81	N82	30.00	DN100	2.46488	0.04	0.30	Vel.< 0.3 m/s
N55	NC223	8.41	DN100	-3.45949	-0.02	-0.42		N81	NT53	13.46	DN100	-2.46489	-0.02	-0.30	Vel.< 0.3 m/s
N56	NC224	6.55	DN100	3.52949	0.02	0.42		N83	NC177	6.22	DN100	3.14643	0.01	0.38	
N56	NC225	8.35	DN100	-3.52949	-0.02	-0.42		N83	NC178	8.76	DN100	-3.14643	-0.02	-0.38	
N57	NC226	6.86	DN100	3.59949	0.02	0.43		N84	NC175	6.37	DN100	3.07643	0.01	0.37	
N57	NC227	8.07	DN100	-3.59949	-0.02	-0.43		N84	NC176	8.73	DN100	-3.07643	-0.02	-0.37	

N85	NC19	21.43	DN250	-5.83453	-0.00	-0.12	Vel.< 0.3 m/s
N85	NT1	6.90	DN250	5.83453	0.00	0.12	Vel.< 0.3 m/s
N86	NC11	16.46	DN100	-0.39765	-0.00	-0.05	Vel.< 0.3 m/s
N86	NC12	43.73	DN100	0.39765	0.00	0.05	Vel.< 0.3 m/s
NC1	NC2	6.20	DN100	6.18994	0.04	0.74	
NC2	NC3	20.17	DN100	5.90993	0.12	0.71	
NC3	NC4	10.34	DN100	5.62994	0.06	0.68	
NC4	NT3	8.89	DN100	5.34994	0.05	0.64	
NC5	NC6	19.26	DN100	4.02689	0.06	0.48	
NC5	NT4	15.87	DN100	-4.69189	-0.06	-0.56	
NC6	NC7	32.83	DN100	3.36189	0.07	0.40	
NC7	NC8	25.40	DN100	2.69688	0.04	0.32	
NC9	NT6	10.76	DN100	-2.86515	-0.02	-0.34	
NC10	NC11	9.44	DN100	1.22015	0.00	0.15	Vel.< 0.3 m/s
NC12	NT7	6.17	DN100	-0.42485	-0.00	-0.05	Vel.< 0.3 m/s
NC14	NC15	8.39	DN100	-2.06985	-0.01	-0.25	Vel.< 0.3 m/s
NC15	NC16	38.52	DN100	-2.89235	-0.07	-0.35	
NC17	NC18	37.56	DN200	62.62676	0.63	1.92	
NC17	NT8	24.61	DN200	-69.62677	-0.50	-2.14	
NC18	NT9	33.27	DN200	55.62677	0.45	1.71	
NC19	NC20	63.32	DN250	-12.83454	-0.02	-0.25	Vel.< 0.3 m/s
NC20	NT9	27.10	DN250	-19.83454	-0.02	-0.39	
NC21	NT2	13.61	DN100	0.63541	0.00	0.08	Vel.< 0.3 m/s
NC22	NC23	5.80	DN100	-1.19541	-0.00	-0.14	Vel.< 0.3 m/s
NC24	NT10	3.68	DN100	-1.75541	-0.00	-0.21	Vel.< 0.3 m/s
NC25	NC26	32.29	DN100	6.10881	0.21	0.73	
NC25	NT10	3.97	DN100	-6.38882	-0.03	-0.77	
NC26	NC27	5.43	DN100	5.82882	0.03	0.70	
NC27	NC28	19.92	DN100	5.54881	0.11	0.67	
NC28	NT11	5.69	DN100	5.26881	0.03	0.63	
NC29	NC30	39.03	DN100	0.11962	0.00	0.01	Vel.< 0.3 m/s
NC29	NT3	8.30	DN100	-0.39962	-0.00	-0.05	Vel.< 0.3 m/s
NC30	NC31	9.30	DN100	-0.16038	-0.00	-0.02	Vel.< 0.3 m/s
NC31	NC32	34.11	DN100	-0.44038	-0.00	-0.05	Vel.< 0.3 m/s
NC32	NT12	9.59	DN100	-0.72038	-0.00	-0.09	Vel.< 0.3 m/s
NC33	NT4	14.20	DN100	-0.25843	-0.00	-0.03	Vel.< 0.3 m/s
NC34	NC35	8.91	DN100	-1.07157	-0.00	-0.13	Vel.< 0.3 m/s
NC36	NT13	5.11	DN100	-2.40157	-0.01	-0.29	Vel.< 0.3 m/s
NC37	NT14	7.31	DN100	1.48186	0.00	0.18	Vel.< 0.3 m/s
NC38	NC39	6.39	DN100	3.14939	0.01	0.38	
NC38	NT14	28.10	DN100	-3.81439	-0.08	-0.46	
NC40	NT15	8.98	DN100	1.81939	0.01	0.22	Vel.< 0.3 m/s
NC41	NC42	40.07	DN100	-1.20363	-0.01	-0.14	Vel.< 0.3 m/s
NC41	NT5	8.82	DN100	0.53863	0.00	0.06	Vel.< 0.3 m/s
NC42	NC43	8.40	DN100	-1.86863	-0.01	-0.22	Vel.< 0.3 m/s
NC43	NC44	38.81	DN100	-2.53363	-0.05	-0.30	

NC44	NT15	9.18	DN100	-3.19863	-0.02	-0.38	
NC45	NC46	39.50	DN100	-1.11714	-0.01	-0.13	Vel.< 0.3 m/s
NC45	NT6	11.19	DN100	0.29464	0.00	0.04	Vel.< 0.3 m/s
NC46	NC47	7.20	DN100	-1.93964	-0.01	-0.23	Vel.< 0.3 m/s
NC47	NC48	40.77	DN100	-2.76214	-0.06	-0.33	
NC48	NT16	6.61	DN100	-3.58464	-0.02	-0.43	
NC49	NC50	50.40	DN100	1.42825	0.02	0.17	Vel.< 0.3 m/s
NC49	NT16	9.65	DN100	-2.25075	-0.01	-0.27	Vel.< 0.3 m/s
NC50	NC51	17.19	DN100	0.60575	0.00	0.07	Vel.< 0.3 m/s
NC51	NC52	45.91	DN100	-0.21675	-0.00	-0.03	Vel.< 0.3 m/s
NC52	NT17	6.56	DN100	-1.03925	-0.00	-0.12	Vel.< 0.3 m/s
NC53	NC54	24.62	DN100	5.32606	0.13	0.64	
NC53	NT19	5.16	DN100	-5.90356	-0.03	-0.71	
NC54	NC55	3.62	DN100	4.74856	0.01	0.57	
NC55	NC56	21.34	DN100	4.17106	0.07	0.50	
NC56	NT20	1.26	DN100	3.59356	0.00	0.43	
NC57	NC72	31.20	DN100	-0.88087	-0.01	-0.11	Vel.< 0.3 m/s
NC57	NT21	1.09	DN100	0.30337	0.00	0.04	Vel.< 0.3 m/s
NC58	NC59	51.60	DN100	2.13609	0.05	0.26	Vel.< 0.3 m/s
NC58	NT23	27.48	DN100	-2.55609	-0.04	-0.31	
NC60	NT24	5.22	DN100	1.29609	0.00	0.16	Vel.< 0.3 m/s
NC61	NT25	28.29	DN100	0.08119	0.00	0.01	Vel.< 0.3 m/s
NC61	NT26	97.13	DN100	-0.81619	-0.02	-0.10	Vel.< 0.3 m/s
NC62	NC63	80.65	DN250	10.48965	0.02	0.21	Vel.< 0.3 m/s
NC63	NC64	49.85	DN250	0.48963	0.00	0.01	Vel.< 0.3 m/s
NC64	NT97	9.70	DN250	-9.51037	-0.00	-0.19	Vel.< 0.3 m/s
NC65	NC66	89.95	DN250	-22.99830	-0.08	-0.45	
NC65	NT97	42.30	DN250	15.99830	0.02	0.32	
NC66	NC67	19.78	DN250	-29.99832	-0.03	-0.59	
NC67	NT57	47.42	DN250	-30.14831	-0.07	-0.59	
NC68	NT19	13.65	DN100	-1.25481	-0.01	-0.15	Vel.< 0.3 m/s
NC71	NT27	11.88	DN100	-1.05519	-0.00	-0.13	Vel.< 0.3 m/s
NC72	NC73	14.24	DN100	-1.45837	-0.01	-0.18	Vel.< 0.3 m/s
NC73	NC74	52.76	DN100	-2.03587	-0.05	-0.24	Vel.< 0.3 m/s
NC74	NT28	11.65	DN100	-2.61337	-0.02	-0.31	
NC75	NC76	24.83	DN100	-1.41169	-0.01	-0.17	Vel.< 0.3 m/s
NC75	NT22	10.93	DN100	0.99169	0.00	0.12	Vel.< 0.3 m/s
NC76	NC77	41.44	DN100	-1.83169	-0.03	-0.22	Vel.< 0.3 m/s
NC78	NT29	11.09	DN100	-2.67169	-0.02	-0.32	
NC79	NC80	35.36	DN100	-3.13720	-0.07	-0.38	
NC79	NT24	9.36	DN100	2.71720	0.01	0.33	
NC80	NC81	17.42	DN100	-3.55720	-0.04	-0.43	
NC81	NT30	10.90	DN100	-3.97720	-0.03	-0.48	
NC82	NT25	33.75	DN100	3.12016	0.07	0.37	
NC83	NC84	42.61	DN100	3.78486	0.12	0.45	
NC83	NT27	17.88	DN100	-4.36237	-0.06	-0.52	

NC84	NC85	10.37	DN100	3.20737	0.02	0.38	
NC85	NC86	35.23	DN100	2.62986	0.05	0.32	
NC86	NT28	7.25	DN100	2.05236	0.01	0.25	Vel.< 0.3 m/s
NC87	NC88	18.57	DN100	2.14587	0.02	0.26	Vel.< 0.3 m/s
NC87	NT29	26.86	DN100	-2.56587	-0.04	-0.31	
NC88	NC89	22.60	DN100	1.72587	0.02	0.21	Vel.< 0.3 m/s
NC89	NC90	13.93	DN100	1.30587	0.01	0.16	Vel.< 0.3 m/s
NC90	NT30	25.41	DN100	0.88587	0.01	0.11	Vel.< 0.3 m/s
NC91	NT31	23.26	DN100	-1.20351	-0.01	-0.14	Vel.< 0.3 m/s
NC91	NT32	107.19	DN100	0.46851	0.01	0.06	Vel.< 0.3 m/s
NC92	NC93	10.54	DN100	3.05226	0.02	0.37	
NC92	NT33	4.91	DN100	-3.06976	-0.01	-0.37	
NC93	NC94	14.91	DN100	3.01725	0.03	0.36	
NC94	NC95	14.90	DN100	2.98225	0.03	0.36	
NC95	NC96	15.09	DN100	2.94725	0.03	0.35	
NC96	NC97	15.08	DN100	2.91225	0.03	0.35	
NC97	NC98	15.10	DN100	2.87725	0.03	0.35	
NC98	NC99	14.99	DN100	2.84225	0.02	0.34	
NC99	NT34	13.03	DN100	2.80725	0.02	0.34	
NC100	NC101	10.07	DN100	1.89106	0.01	0.23	Vel.< 0.3 m/s
NC100	NT35	10.45	DN100	-1.90856	-0.01	-0.23	Vel.< 0.3 m/s
NC101	NC102	15.08	DN100	1.85606	0.01	0.22	Vel.< 0.3 m/s
NC103	NC104	15.24	DN100	1.78606	0.01	0.21	Vel.< 0.3 m/s
NC105	NC106	14.82	DN100	-0.78394	-0.00	-0.09	Vel.< 0.3 m/s
NC106	NT36	11.82	DN100	-0.81894	-0.00	-0.10	Vel.< 0.3 m/s
NC107	NC108	15.01	DN100	0.25175	0.00	0.03	Vel.< 0.3 m/s
NC107	NT37	12.94	DN100	-0.28675	-0.00	-0.03	Vel.< 0.3 m/s
NC108	NC109	15.05	DN100	0.21675	0.00	0.03	Vel.< 0.3 m/s
NC109	NC110	15.23	DN100	0.18175	0.00	0.02	Vel.< 0.3 m/s
NC110	NC111	14.90	DN100	0.14675	0.00	0.02	Vel.< 0.3 m/s
NC111	NC112	14.93	DN100	0.11175	0.00	0.01	Vel.< 0.3 m/s
NC112	NC113	14.85	DN100	0.07675	0.00	0.01	Vel.< 0.3 m/s
NC113	NC114	12.54	DN100	0.04175	0.00	0.01	Vel.< 0.3 m/s
NC114	NT38	12.09	DN100	0.02425	0.00	0.00	Vel.< 0.3 m/s
NC115	NC116	15.06	DN100	2.96536	0.03	0.36	
NC117	NC118	15.00	DN100	2.89536	0.03	0.35	
NC119	NC120	15.01	DN100	2.82536	0.02	0.34	
NC121	NC122	14.98	DN100	2.75536	0.02	0.33	
NC123	NC124	10.11	DN100	-0.42810	-0.00	-0.05	Vel.< 0.3 m/s
NC123	NT41	10.42	DN100	0.41060	0.00	0.05	Vel.< 0.3 m/s
NC124	NC125	15.08	DN100	0.00000	-0.00	0.00	Vel.< 0.3 m/s
NC126	NC127	14.82	DN100	-0.53310	-0.00	-0.06	Vel.< 0.3 m/s
NC128	NC129	14.91	DN100	-0.60310	-0.00	-0.07	Vel.< 0.3 m/s
NC129	NT42	11.79	DN100	-0.63810	-0.00	-0.08	Vel.< 0.3 m/s
NC130	NC131	15.12	DN100	-0.62715	-0.00	-0.08	Vel.< 0.3 m/s
NC130	NT43	13.07	DN100	0.59215	0.00	0.07	Vel.< 0.3 m/s

NC132	NC133	14.98	DN100	-0.69715	-0.00	-0.08	Vel.< 0.3 m/s
NC134	NC135	15.00	DN100	-0.76715	-0.00	-0.09	Vel.< 0.3 m/s
NC136	NC137	13.25	DN100	-0.83715	-0.00	-0.10	Vel.< 0.3 m/s
NC137	NT44	10.07	DN100	-0.85465	-0.00	-0.10	Vel.< 0.3 m/s
NC138	NC139	14.93	DN100	-2.01566	-0.01	-0.24	Vel.< 0.3 m/s
NC138	NT45	8.36	DN100	1.98066	0.01	0.24	Vel.< 0.3 m/s
NC139	NC140	15.08	DN100	-2.05066	-0.01	-0.25	Vel.< 0.3 m/s
NC140	NC141	15.08	DN100	-2.08566	-0.01	-0.25	Vel.< 0.3 m/s
NC141	NC142	14.90	DN100	-2.12066	-0.01	-0.25	Vel.< 0.3 m/s
NC142	NC143	14.89	DN100	-2.15566	-0.02	-0.26	Vel.< 0.3 m/s
NC143	NC144	15.11	DN100	-2.19066	-0.02	-0.26	Vel.< 0.3 m/s
NC144	NC145	15.10	DN100	-2.22566	-0.02	-0.27	Vel.< 0.3 m/s
NC145	NC146	15.15	DN100	-2.26066	-0.02	-0.27	Vel.< 0.3 m/s
NC146	NT46	13.00	DN100	-2.29566	-0.01	-0.28	Vel.< 0.3 m/s
NC147	NC148	11.73	DN100	-1.26238	-0.00	-0.15	Vel.< 0.3 m/s
NC147	NT47	8.80	DN100	1.24488	0.00	0.15	Vel.< 0.3 m/s
NC148	NC149	15.01	DN100	-1.29738	-0.01	-0.16	Vel.< 0.3 m/s
NC149	NC150	14.96	DN100	-1.33238	-0.01	-0.16	Vel.< 0.3 m/s
NC150	NC151	15.08	DN100	-1.36738	-0.01	-0.16	Vel.< 0.3 m/s
NC151	NC152	15.11	DN100	-1.40238	-0.01	-0.17	Vel.< 0.3 m/s
NC152	NC153	14.82	DN100	-1.43738	-0.01	-0.17	Vel.< 0.3 m/s
NC153	NT48	11.83	DN100	-1.47238	-0.01	-0.18	Vel.< 0.3 m/s
NC154	NC155	12.73	DN100	-0.20896	-0.00	-0.03	Vel.< 0.3 m/s
NC154	NT49	7.71	DN100	0.19146	0.00	0.02	Vel.< 0.3 m/s
NC155	NC156	14.81	DN100	-0.24396	-0.00	-0.03	Vel.< 0.3 m/s
NC156	NC157	15.12	DN100	-0.27896	-0.00	-0.03	Vel.< 0.3 m/s
NC157	NC158	14.98	DN100	-0.31396	-0.00	-0.04	Vel.< 0.3 m/s
NC158	NC159	14.92	DN100	-0.34896	-0.00	-0.04	Vel.< 0.3 m/s
NC159	NC160	15.11	DN100	-0.38396	-0.00	-0.05	Vel.< 0.3 m/s
NC160	NC161	14.99	DN100	-0.41896	-0.00	-0.05	Vel.< 0.3 m/s
NC161	NT50	15.50	DN100	-0.45396	-0.00	-0.05	Vel.< 0.3 m/s
NC162	NC163	13.11	DN100	-1.54897	-0.01	-0.19	Vel.< 0.3 m/s
NC162	NT51	13.79	DN100	1.53147	0.01	0.18	Vel.< 0.3 m/s
NC164	NC165	15.15	DN100	-1.61897	-0.01	-0.19	Vel.< 0.3 m/s
NC166	NC167	14.86	DN100	-1.68897	-0.01	-0.20	Vel.< 0.3 m/s
NC168	NC169	15.00	DN100	-1.75897	-0.01	-0.21	Vel.< 0.3 m/s
NC170	NC171	14.72	DN100	-1.82897	-0.01	-0.22	Vel.< 0.3 m/s
NC172	NT52	11.43	DN100	4.15962	0.04	0.50	
NC172	NT60	66.00	DN100	-4.66962	-0.27	-0.56	
NC173	NC174	10.89	DN100	-3.00643	-0.02	-0.36	
NC173	NT53	9.66	DN100	2.98893	0.02	0.36	
NC174	NC175	15.17	DN100	-3.04143	-0.03	-0.37	
NC176	NC177	15.06	DN100	-3.11143	-0.03	-0.37	
NC178	NC179	14.94	DN100	-3.18143	-0.03	-0.38	
NC179	NT54	11.53	DN100	-3.21643	-0.02	-0.39	
NC180	NT54	10.13	DN100	7.42333	0.09	0.89	

NC180	NT64	67.07	DN100	-7.73532	-0.67	-0.93			NC235	NC236	16.64	DN100	-4.69642	-0.07	-0.56		
NC182	NC183	11.28	DN100	-0.31621	-0.00	-0.04	Vel.< 0.3 m/s		NC237	NC238	14.96	DN100	-4.51488	-0.06	-0.54		
NC182	NT55	9.25	DN100	0.29871	0.00	0.04	Vel.< 0.3 m/s		NC237	NT67	12.82	DN100	4.47988	0.05	0.54		
NC184	NC185	14.99	DN100	-0.38621	-0.00	-0.05	Vel.< 0.3 m/s		NC238	NC239	14.97	DN100	-4.54988	-0.06	-0.55		
NC186	NC187	14.86	DN100	-0.45621	-0.00	-0.05	Vel.< 0.3 m/s		NC239	NC240	15.07	DN100	-4.58488	-0.06	-0.55		
NC188	NC189	14.99	DN100	-0.52621	-0.00	-0.06	Vel.< 0.3 m/s		NC240	NC241	14.91	DN100	-4.61988	-0.06	-0.55		
NC189	NT56	10.84	DN100	-0.56121	-0.00	-0.07	Vel.< 0.3 m/s		NC241	NC242	14.82	DN100	-4.65488	-0.06	-0.56		
NC190	NC191	29.77	DN100	-3.49601	-0.07	-0.42			NC242	NC243	15.02	DN100	-4.68988	-0.06	-0.56		
NC191	NT60	27.49	DN100	-3.53101	-0.07	-0.42			NC243	NC244	14.96	DN100	-4.72488	-0.06	-0.57		
NC192	NT61	12.22	DN100	-14.44712	-0.39	-1.73			NC244	NC245	14.96	DN100	-4.75988	-0.06	-0.57		
NC194	NC195	22.66	DN100	2.57043	0.03	0.31			NC245	NC246	14.93	DN100	-4.79488	-0.06	-0.58		
NC194	NT59	34.25	DN100	-2.60543	-0.05	-0.31			NC246	NC247	15.15	DN100	-4.82988	-0.06	-0.58		
NC195	NC196	15.01	DN100	2.53543	0.02	0.30			NC247	NC248	14.68	DN100	-4.86488	-0.06	-0.58		
NC196	NC197	14.88	DN100	2.50043	0.02	0.30			NC248	NT76	6.24	DN100	-4.89988	-0.03	-0.59		
NC197	NC198	15.08	DN100	2.46543	0.02	0.30	Vel.< 0.3 m/s		NC249	NT68	21.13	DN100	3.68729	0.06	0.44		
NC199	NC262	16.69	DN100	-8.16697	-0.18	-0.98			NC253	NC254	16.59	DN100	-3.86229	-0.05	-0.46		
NC199	NT60	29.17	DN100	8.13196	0.32	0.98			NC255	NC256	16.31	DN100	-3.93229	-0.05	-0.47		
NC200	NT61	12.58	DN100	9.47555	0.18	1.14			NC257	NC258	16.39	DN100	-4.00229	-0.05	-0.48		
NC201	NC202	14.89	DN100	-9.54555	-0.22	-1.15			NC259	NC260	16.33	DN100	-4.07229	-0.05	-0.49		
NC203	NT70	0.87	DN100	-6.44854	-0.01	-0.77			NC261	NT79	7.52	DN100	-4.14229	-0.02	-0.50		
NC204	NC205	17.32	DN100	-3.70676	-0.05	-0.44			NC262	NT69	2.12	DN100	-8.20197	-0.02	-0.98		
NC204	NT62	24.58	DN100	3.67176	0.06	0.44			NC263	NT58	3.32	DN100	-1.99761	-0.00	-0.24	Vel.< 0.3 m/s	
NC205	NC206	17.34	DN100	-3.74176	-0.05	-0.45			NT1	NT2	41.50	DN150	5.83453	0.04	0.32		
NC206	NC207	17.29	DN100	-3.77676	-0.05	-0.45			NT3	NT4	27.71	DN100	4.95031	0.12	0.59		
NC207	NT71	13.38	DN100	-3.81176	-0.04	-0.46			NT5	NT6	15.71	DN100	2.57051	0.02	0.31		
NC208	NC209	14.91	DN100	-3.44346	-0.03	-0.41			NT8	SG1	137.03	DN200	-69.62670	-2.81	-2.14		
NC208	NT63	12.76	DN100	3.40846	0.03	0.41			NT9	NT10	25.53	DN150	8.14422	0.04	0.44		
NC210	NC211	15.32	DN100	-3.51346	-0.04	-0.42			NT9	NT18	38.82	DN250	27.64803	0.05	0.55		
NC212	NC213	12.05	DN100	-3.58346	-0.03	-0.43			NT11	NT12	8.69	DN100	5.26881	0.04	0.63		
NC213	NT72	8.79	DN100	-3.60096	-0.02	-0.43			NT12	NT13	25.40	DN100	4.54843	0.10	0.55		
NC214	NC215	16.79	DN100	-3.48306	-0.04	-0.42			NT14	NT23	37.00	DN100	-2.33253	-0.04	-0.28	Vel.< 0.3 m/s	
NC214	NT64	22.86	DN100	3.44806	0.05	0.41			NT15	NT16	15.70	DN100	2.09347	0.02	0.25	Vel.< 0.3 m/s	
NC215	NC216	17.28	DN100	-3.51806	-0.04	-0.42			NT15	NT24	40.35	DN100	-3.47271	-0.10	-0.42		
NC216	NC217	16.70	DN100	-3.55306	-0.04	-0.43			NT16	NT25	40.35	DN100	-3.74192	-0.11	-0.45		
NC217	NC218	16.85	DN100	-3.58806	-0.04	-0.43			NT17	NT26	38.84	DN100	-4.75410	-0.16	-0.57		
NC218	NC219	16.58	DN100	-3.62306	-0.04	-0.43			NT22	NT23	11.33	DN100	4.88861	0.05	0.59		
NC219	NT73	8.66	DN100	-3.64056	-0.02	-0.44			NT24	NT25	15.70	DN100	0.54058	0.00	0.06	Vel.< 0.3 m/s	
NC220	NT65	12.78	DN100	3.35449	0.03	0.40			NT26	NT32	22.79	DN100	-5.57029	-0.13	-0.67		
NC221	NC222	14.79	DN100	-3.42449	-0.03	-0.41			NT27	NT33	15.31	DN100	1.07038	0.00	0.13	Vel.< 0.3 m/s	
NC223	NC224	15.10	DN100	-3.49449	-0.04	-0.42			NT27	NT97	25.95	DN150	-6.48794	-0.03	-0.35		
NC225	NC226	14.93	DN100	-3.56449	-0.04	-0.43			NT28	NT29	25.40	DN100	3.64693	0.07	0.44		
NC227	NT74	7.89	DN100	-3.63449	-0.02	-0.44			NT28	NT34	14.40	DN100	-4.20793	-0.05	-0.51		
NC228	NC229	16.18	DN100	-4.45142	-0.06	-0.53			NT29	NT35	14.40	DN100	-1.59064	-0.01	-0.19	Vel.< 0.3 m/s	
NC228	NT66	13.53	DN100	4.43392	0.05	0.53			NT30	NT31	14.40	DN100	0.52631	0.00	0.06	Vel.< 0.3 m/s	
NC231	NC232	16.69	DN100	-4.55642	-0.06	-0.55			NT30	NT36	14.40	DN100	-3.61764	-0.04	-0.43		
NC233	NC234	16.63	DN100	-4.62642	-0.07	-0.56			NT31	NT37	14.40	DN100	-4.53236	-0.05	-0.54		

NT32	NT38	14.69	DN100	-5.10178	-0.07	-0.61	Vel.< 0.3 m/s
NT34	NT40	49.00	DN100	-1.40067	-0.02	-0.17	
NT35	NT41	49.00	DN100	-3.49920	-0.12	-0.42	
NT36	NT42	49.00	DN100	-4.43658	-0.18	-0.53	
NT40	NT41	25.40	DN100	1.31968	0.01	0.16	Vel.< 0.3 m/s
NT41	NT47	11.40	DN100	-1.76892	-0.01	-0.21	Vel.< 0.3 m/s
NT42	NT43	14.40	DN80	-2.34016	-0.05	-0.43	
NT42	NT48	11.40	DN80	-2.73452	-0.05	-0.50	
NT43	NT49	11.40	DN100	-6.56712	-0.08	-0.79	
NT44	NT50	11.42	DN100	-5.93219	-0.07	-0.71	
NT46	NT52	49.00	DN100	-2.29566	-0.06	-0.28	Vel.< 0.3 m/s
NT48	NT54	49.00	DN100	-4.20690	-0.16	-0.50	Vel.< 0.3 m/s
NT57	NT58	25.07	DN150	1.12454	0.00	0.06	
NT57	NT82	92.44	DN250	-31.27283	-0.15	-0.62	
NT58	NT59	34.49	DN100	-0.87307	-0.01	-0.10	
NT60	NT61	25.91	DN100	-0.06867	-0.00	-0.01	Vel.< 0.3 m/s
NT62	NT63	9.49	DN100	-1.36847	-0.00	-0.16	Vel.< 0.3 m/s
NT64	NT65	14.53	DN80	-2.24728	-0.04	-0.41	Vel.< 0.3 m/s
NT65	NT66	49.45	DN100	-5.31174	-0.25	-0.64	
NT66	NT67	9.42	DN100	-0.87782	-0.00	-0.11	
NT67	NT68	53.79	DN100	3.60206	0.14	0.43	
NT69	NT81	11.78	DN100	-22.37153	-0.84	-2.68	Vel.máx.
NT70	NT81	13.62	DN100	-16.02908	-0.52	-1.92	
NT71	NT72	9.20	DN100	2.60177	0.01	0.31	
NT75	NT80	5.95	DN100	-13.00566	-0.15	-1.56	
NT76	NT80	5.95	DN100	-9.04217	-0.08	-1.09	
NT78	NT79	16.02	DN100	4.14229	0.05	0.50	
NT80	SG2	30.07	DN150	-22.04782	-0.29	-1.19	
NT81	SG3	38.53	DN150	-38.40060	-1.05	-2.08	
NT82	NT83	29.12	DN250	-31.27285	-0.05	-0.62	
NT83	NT84	34.65	DN250	-31.27284	-0.06	-0.62	
NT84	NT85	26.41	DN250	-31.27285	-0.04	-0.62	
NT85	NT86	185.68	DN250	-31.27283	-0.30	-0.62	
NT86	NT87	82.40	DN250	-31.27284	-0.13	-0.62	
NT87	NT89	23.72	DN250	-31.27285	-0.04	-0.62	
NT89	NT90	59.94	DN250	-31.27284	-0.10	-0.62	
NT90	NT91	88.50	DN250	-31.27283	-0.14	-0.62	
NT91	NT92	102.27	DN250	-31.27283	-0.16	-0.62	
NT92	NT93	39.08	DN250	-31.27284	-0.06	-0.62	
NT93	NT94	27.64	DN250	-31.27285	-0.04	-0.62	
NT94	SG4	16.46	DN250	-31.27285	-0.03	-0.62	

Combinaciones: H9+H12

Inicio	Final	Longitud m	Diámetros mm	Caudal l/s	Périd. m.c.a.	Velocidad m/s	Coment.
BR39	NC39	25.31	DN100	-2.12198	-0.02	-0.25	Vel.< 0.3 m/s
BR39	NC40	20.66	DN100	2.12198	0.02	0.25	Vel.< 0.3 m/s
BR48	NT21	7.01	DN100	-3.33214	-0.02	-0.40	
BR48	NT22	18.49	DN100	3.33214	0.04	0.40	
BR52	NC59	11.31	DN100	-1.27785	-0.00	-0.15	Vel.< 0.3 m/s
BR52	NC60	9.90	DN100	1.27785	0.00	0.15	Vel.< 0.3 m/s
BR64	NC104	12.64	DN100	-1.42221	-0.01	-0.17	Vel.< 0.3 m/s
BR64	NC105	2.50	DN100	-1.07779	-0.00	-0.13	Vel.< 0.3 m/s
BR65	NC102	12.59	DN100	-1.49221	-0.01	-0.18	Vel.< 0.3 m/s
BR65	NC103	2.17	DN100	1.49221	0.00	0.18	Vel.< 0.3 m/s
BR88	NC127	11.50	DN100	0.94216	0.00	0.11	Vel.< 0.3 m/s
BR88	NC128	3.49	DN100	-0.94216	-0.00	-0.11	Vel.< 0.3 m/s
BR89	NC125	11.53	DN100	0.87216	0.00	0.10	Vel.< 0.3 m/s
BR89	NC126	3.70	DN100	-0.87216	-0.00	-0.10	Vel.< 0.3 m/s
BR92	NC120	7.89	DN100	0.89637	0.00	0.11	Vel.< 0.3 m/s
BR92	NC121	7.07	DN100	-0.89637	-0.00	-0.11	Vel.< 0.3 m/s
BR93	NC118	8.00	DN100	0.82637	0.00	0.10	Vel.< 0.3 m/s
BR93	NC119	7.14	DN100	-0.82637	-0.00	-0.10	Vel.< 0.3 m/s
BR99	H9	21.39	DN100	7.49712	0.20	0.90	
BR99	NT51	6.66	DN100	-7.49712	-0.06	-0.90	
BR107	NC181	4.70	DN100	-6.41615	-0.03	-0.77	
BR107	NT55	6.01	DN100	6.41615	0.04	0.77	
BR115	NC169	2.77	DN100	3.87374	0.01	0.46	
BR115	NC170	12.41	DN100	-3.87374	-0.04	-0.46	
H1	NC1	9.98	DN100	5.95560	0.06	0.71	
H1	NT2	10.61	DN100	-5.95560	-0.07	-0.71	
H2	NC8	18.03	DN100	-1.69182	-0.01	-0.20	Vel.< 0.3 m/s
H2	NT5	5.47	DN100	1.69182	0.00	0.20	Vel.< 0.3 m/s
H3	NC13	5.44	DN100	-0.52344	-0.00	-0.06	Vel.< 0.3 m/s
H3	NT7	3.12	DN100	0.52344	0.00	0.06	Vel.< 0.3 m/s
H4	NC62	31.11	DN250	22.86696	0.03	0.45	
H4	NT18	7.10	DN250	-22.86697	-0.01	-0.45	
H5	N11	28.66	DN100	-0.11567	-0.00	-0.01	Vel.< 0.3 m/s
H5	N12	2.54	DN100	0.11567	0.00	0.01	Vel.< 0.3 m/s
H6	NC77	7.27	DN100	2.68055	0.01	0.32	
H6	NC78	15.27	DN100	-2.68055	-0.02	-0.32	
H7	N10	13.86	DN100	4.20177	0.05	0.50	
H7	NT31	15.24	DN100	-4.20177	-0.05	-0.50	
H8	N23	27.84	DN100	5.52827	0.15	0.66	
H8	N24	2.91	DN100	-5.52828	-0.02	-0.66	
H9	N71	8.63	DN100	-9.10289	-0.12	-1.09	
H10	N82	6.56	DN100	6.31347	0.05	0.76	
H10	NC192	15.26	DN100	-6.31347	-0.11	-0.76	

H11	N38	25.00	DN100	6.75815	0.20	0.81	Vel.< 0.3 m/s
H11	N39	5.06	DN100	-6.75815	-0.04	-0.81	
H12	NC198	7.06	DN100	-1.45385	-0.00	-0.17	
H12	NT69	34.08	DN100	-15.14615	-1.17	-1.82	
H13	NC250	6.92	DN100	3.55861	0.02	0.43	Vel.< 0.3 m/s
H13	NC251	9.77	DN100	-3.55861	-0.02	-0.43	
H14	N53	22.21	DN100	-7.40927	-0.21	-0.89	
H14	N58	8.16	DN100	7.40927	0.08	0.89	
N1	NC23	28.40	DN100	1.42415	0.01	0.17	Vel.< 0.3 m/s
N1	NC24	15.62	DN100	-1.42415	-0.01	-0.17	Vel.< 0.3 m/s
N2	NC21	11.08	DN100	0.86415	0.00	0.10	Vel.< 0.3 m/s
N2	NC22	24.47	DN100	-0.86415	-0.00	-0.10	Vel.< 0.3 m/s
N3	NC33	21.20	DN100	0.49869	0.00	0.06	Vel.< 0.3 m/s
N3	NC34	12.38	DN100	-0.49869	-0.00	-0.06	Vel.< 0.3 m/s
N4	NC35	8.76	DN100	1.82869	0.01	0.22	Vel.< 0.3 m/s
N4	NC36	18.71	DN100	-1.82869	-0.01	-0.22	Vel.< 0.3 m/s
N5	NC37	25.14	DN100	1.48215	0.01	0.18	Vel.< 0.3 m/s
N5	NT13	6.22	DN100	-1.48215	-0.00	-0.18	Vel.< 0.3 m/s
N6	NC9	49.73	DN100	-1.94407	-0.04	-0.23	Vel.< 0.3 m/s
N6	NC10	4.11	DN100	1.94407	0.00	0.23	Vel.< 0.3 m/s
N7	N8	30.01	DN100	-1.34594	-0.01	-0.16	Vel.< 0.3 m/s
N7	NC13	4.29	DN100	1.34594	0.00	0.16	Vel.< 0.3 m/s
N8	NC14	3.43	DN100	-1.34594	-0.00	-0.16	Vel.< 0.3 m/s
N9	NC16	9.67	DN100	3.81344	0.03	0.46	Vel.< 0.3 m/s
N9	NT17	9.23	DN100	-3.81344	-0.03	-0.46	
N10	NC82	3.91	DN100	4.20177	0.01	0.50	
N11	NC71	1.66	DN100	0.00000	-0.00	0.00	
N12	NC70	28.65	DN100	0.11567	0.00	0.01	Vel.< 0.3 m/s
N13	NC69	9.68	DN100	-0.46183	-0.00	-0.06	Vel.< 0.3 m/s
N13	NC70	1.36	DN100	0.46183	0.00	0.06	Vel.< 0.3 m/s
N14	N15	30.01	DN100	-1.03933	-0.01	-0.12	Vel.< 0.3 m/s
N14	NC69	20.34	DN100	1.03933	0.01	0.12	Vel.< 0.3 m/s
N15	NC68	19.49	DN100	-1.03933	-0.01	-0.12	Vel.< 0.3 m/s
N16	NT20	13.46	DN100	-2.82099	-0.02	-0.34	Vel.< 0.3 m/s
N16	NT21	26.25	DN100	2.82099	0.04	0.34	
N17	NT18	4.50	DN100	-6.74783	-0.04	-0.81	
N17	NT19	20.61	DN150	6.74783	0.02	0.37	
N18	N19	30.00	DN100	0.66983	0.00	0.08	Vel.< 0.3 m/s
N18	NT33	1.22	DN100	-0.66983	-0.00	-0.08	Vel.< 0.3 m/s
N19	NT39	21.29	DN100	0.66983	0.00	0.08	Vel.< 0.3 m/s
N20	NC115	7.00	DN100	-0.68638	-0.00	-0.08	Vel.< 0.3 m/s
N20	NT39	12.08	DN100	0.68638	0.00	0.08	Vel.< 0.3 m/s
N21	NC116	7.97	DN100	0.75638	0.00	0.09	Vel.< 0.3 m/s
N21	NC117	7.11	DN100	-0.75638	-0.00	-0.09	Vel.< 0.3 m/s
N22	NC122	7.96	DN100	0.96638	0.00	0.12	Vel.< 0.3 m/s
N22	NT40	5.05	DN100	-0.96638	-0.00	-0.12	Vel.< 0.3 m/s

N23	NT38	4.65	DN100	5.52827	0.03	0.66	Vel.< 0.3 m/s
N24	NT44	13.63	DN100	-5.52827	-0.07	-0.66	
N25	NC135	8.58	DN100	0.60712	0.00	0.07	
N25	NC136	6.36	DN100	-0.60712	-0.00	-0.07	
N26	NC133	8.63	DN100	0.53712	0.00	0.06	Vel.< 0.3 m/s
N26	NC134	6.43	DN100	-0.53712	-0.00	-0.06	Vel.< 0.3 m/s
N27	NC131	8.59	DN100	0.46712	0.00	0.06	Vel.< 0.3 m/s
N27	NC132	6.40	DN100	-0.46712	-0.00	-0.06	Vel.< 0.3 m/s
N28	NT37	22.80	DN100	5.37917	0.12	0.65	Vel.< 0.3 m/s
N28	NT43	26.20	DN100	-5.37917	-0.14	-0.65	
N29	N30	26.90	DN100	-6.51388	-0.20	-0.78	
N29	NT50	4.00	DN100	6.51389	0.03	0.78	
N30	NT56	18.31	DN100	-6.51388	-0.13	-0.78	Vel.< 0.3 m/s
N31	NT49	24.01	DN100	6.52344	0.18	0.78	
N31	NT55	25.00	DN100	-6.52344	-0.18	-0.78	
N32	NC183	11.20	DN100	0.15979	0.00	0.02	
N32	NC184	3.84	DN100	-0.15979	-0.00	-0.02	Vel.< 0.3 m/s
N33	NC185	11.17	DN100	0.22979	0.00	0.03	Vel.< 0.3 m/s
N33	NC186	3.89	DN100	-0.22979	-0.00	-0.03	Vel.< 0.3 m/s
N34	NC187	11.27	DN100	0.29979	0.00	0.04	Vel.< 0.3 m/s
N34	NC188	3.84	DN100	-0.29979	-0.00	-0.04	Vel.< 0.3 m/s
N35	N36	29.97	DN100	-6.88368	-0.24	-0.83	Vel.< 0.3 m/s
N35	NT56	11.57	DN100	6.88368	0.09	0.83	
N36	NC193	24.37	DN100	-6.88368	-0.20	-0.83	
N37	NC193	5.64	DN100	7.22568	0.05	0.87	
N37	NT68	6.64	DN100	-7.22568	-0.06	-0.87	Vel.< 0.3 m/s
N38	NC181	25.31	DN100	6.75815	0.20	0.81	
N39	NT65	11.16	DN100	-6.75815	-0.09	-0.81	
N40	NC249	4.28	DN100	3.52361	0.01	0.42	
N40	NC250	12.31	DN100	-3.52361	-0.03	-0.42	Vel.< 0.3 m/s
N41	NC251	1.65	DN100	3.59361	0.00	0.43	
N41	NC252	14.84	DN100	-3.59361	-0.04	-0.43	
N42	NC252	14.62	DN100	3.62861	0.04	0.44	
N42	NC253	1.62	DN100	-3.62861	-0.00	-0.44	Vel.< 0.3 m/s
N43	NC254	11.88	DN100	3.69861	0.03	0.44	
N43	NC255	4.37	DN100	-3.69861	-0.01	-0.44	
N44	NC256	9.37	DN100	3.76861	0.03	0.45	
N44	NC257	6.85	DN100	-3.76861	-0.02	-0.45	Vel.< 0.3 m/s
N45	NC258	6.77	DN100	3.83861	0.02	0.46	
N45	NC259	9.53	DN100	-3.83861	-0.03	-0.46	
N46	NC260	4.16	DN100	3.90861	0.01	0.47	
N46	NC261	20.56	DN100	-3.90861	-0.06	-0.47	Vel.< 0.3 m/s
N47	NT76	9.30	DN100	-3.94361	-0.03	-0.47	
N47	NT78	34.62	DN100	3.94361	0.10	0.47	
N48	NC229	1.91	DN100	4.20547	0.01	0.50	
N48	NC230	14.38	DN100	-4.20547	-0.05	-0.50	

N49	NC230	14.58	DN100	4.24047	0.05	0.51		N75	NC163	2.74	DN100	3.66374	0.01	0.44	
N49	NC231	2.43	DN100	-4.24047	-0.01	-0.51		N75	NC164	12.08	DN100	-3.66374	-0.03	-0.44	
N50	NC232	11.20	DN100	4.31047	0.04	0.52		N76	NC165	2.78	DN100	3.73374	0.01	0.45	
N50	NC233	5.43	DN100	-4.31047	-0.02	-0.52		N76	NC166	12.20	DN100	-3.73374	-0.03	-0.45	
N51	NC234	7.91	DN100	4.38047	0.03	0.53		N77	NC167	2.95	DN100	3.80374	0.01	0.46	
N51	NC235	8.78	DN100	-4.38047	-0.03	-0.53		N77	NC168	12.23	DN100	-3.80374	-0.03	-0.46	
N52	NC236	4.59	DN100	4.45047	0.02	0.53		N78	NC171	2.95	DN100	3.94374	0.01	0.47	
N52	NT75	20.73	DN100	-4.45046	-0.08	-0.53		N78	NT52	10.07	DN100	-3.94374	-0.03	-0.47	
N53	NT75	9.20	DN100	-7.40927	-0.09	-0.89		N79	N80	26.94	DN100	-6.48818	-0.20	-0.78	
N54	NC220	6.39	DN100	3.27489	0.01	0.39		N79	NT47	5.52	DN100	6.48818	0.04	0.78	
N54	NC221	8.67	DN100	-3.27489	-0.02	-0.39		N80	NT53	16.54	DN100	-6.48818	-0.12	-0.78	
N55	NC222	6.58	DN100	3.34489	0.01	0.40		N81	N82	30.00	DN100	-6.31347	-0.21	-0.76	
N55	NC223	8.41	DN100	-3.34489	-0.02	-0.40		N81	NT53	13.46	DN100	6.31347	0.09	0.76	
N56	NC224	6.55	DN100	3.41489	0.02	0.41		N83	NC177	6.22	DN100	0.33221	0.00	0.04	Vel.< 0.3 m/s
N56	NC225	8.35	DN100	-3.41489	-0.02	-0.41		N83	NC178	8.76	DN100	-0.33221	-0.00	-0.04	Vel.< 0.3 m/s
N57	NC226	6.86	DN100	3.48489	0.02	0.42		N84	NC175	6.37	DN100	0.26221	0.00	0.03	Vel.< 0.3 m/s
N57	NC227	8.07	DN100	-3.48489	-0.02	-0.42		N84	NC176	8.73	DN100	-0.26221	-0.00	-0.03	Vel.< 0.3 m/s
N58	NT74	15.12	DN100	7.40927	0.14	0.89		N85	NC19	21.43	DN250	-5.37145	-0.00	-0.11	Vel.< 0.3 m/s
N59	NT73	1.43	DN100	3.88938	0.00	0.47		N85	NT1	6.90	DN250	5.37145	0.00	0.11	Vel.< 0.3 m/s
N59	NT74	13.44	DN100	-3.88938	-0.04	-0.47		N86	NC11	16.46	DN100	-0.29907	-0.00	-0.04	Vel.< 0.3 m/s
N60	NC211	5.54	DN100	3.13578	0.01	0.38		N86	NC12	43.73	DN100	0.29907	0.00	0.04	Vel.< 0.3 m/s
N60	NC212	9.39	DN100	-3.13578	-0.02	-0.38		NC1	NC2	6.20	DN100	5.67560	0.04	0.68	
N61	NT72	20.58	DN100	0.48485	0.00	0.06	Vel.< 0.3 m/s	NC2	NC3	20.17	DN100	5.39560	0.11	0.65	
N61	NT73	28.62	DN100	-0.48485	-0.00	-0.06	Vel.< 0.3 m/s	NC3	NC4	10.34	DN100	5.11560	0.05	0.61	
N62	NC209	5.13	DN100	3.06578	0.01	0.37		NC4	NT3	8.89	DN100	4.83560	0.04	0.58	
N62	NC210	9.54	DN100	-3.06578	-0.02	-0.37		NC5	NC6	19.26	DN100	3.68682	0.05	0.44	
N63	N64	30.01	DN100	2.53500	0.04	0.30		NC5	NT4	15.87	DN100	-4.35182	-0.06	-0.52	
N63	NT63	14.40	DN100	-2.53500	-0.02	-0.30		NC6	NC7	32.83	DN100	3.02182	0.06	0.36	
N64	NT64	5.16	DN100	2.53500	0.01	0.30		NC7	NC8	25.40	DN100	2.35682	0.03	0.28	Vel.< 0.3 m/s
N65	NC203	26.65	DN100	-6.08327	-0.17	-0.73		NC9	NT6	10.76	DN100	-2.76657	-0.02	-0.33	
N65	NT71	24.96	DN100	6.08327	0.16	0.73		NC10	NC11	9.44	DN100	1.12157	0.00	0.13	Vel.< 0.3 m/s
N66	NT61	31.89	DN100	3.70062	0.08	0.44		NC12	NT7	6.17	DN100	-0.52344	-0.00	-0.06	Vel.< 0.3 m/s
N66	NT62	18.12	DN100	-3.70062	-0.05	-0.44		NC14	NC15	8.39	DN100	-2.16844	-0.01	-0.26	Vel.< 0.3 m/s
N67	NC200	13.49	DN100	8.34088	0.16	1.00		NC15	NC16	38.52	DN100	-2.99094	-0.07	-0.36	
N67	NC201	1.64	DN100	-8.34088	-0.02	-1.00		NC17	NC18	37.56	DN200	63.58874	0.65	1.95	
N68	NC202	13.51	DN100	8.41088	0.16	1.01		NC17	NT8	24.61	DN200	-70.58875	-0.52	-2.17	
N68	NT70	1.58	DN100	-8.41088	-0.02	-1.01		NC18	NT9	33.27	DN200	56.58875	0.46	1.74	
N69	N70	28.09	DN100	5.05485	0.13	0.61		NC19	NC20	63.32	DN250	-12.37145	-0.02	-0.24	Vel.< 0.3 m/s
N69	NC190	58.73	DN100	-5.05485	-0.27	-0.61		NC20	NT9	27.10	DN250	-19.37146	-0.02	-0.38	
N70	NT59	7.59	DN100	5.05485	0.04	0.61		NC21	NT2	13.61	DN100	0.58415	0.00	0.07	Vel.< 0.3 m/s
N71	N72	30.00	DN100	-9.10288	-0.40	-1.09		NC22	NC23	5.80	DN100	-1.14415	-0.00	-0.14	Vel.< 0.3 m/s
N72	NC263	2.39	DN100	-9.10289	-0.03	-1.09		NC24	NT10	3.68	DN100	-1.70415	-0.00	-0.20	Vel.< 0.3 m/s
N73	NT45	26.53	DN100	-3.88588	-0.08	-0.47		NC25	NC26	32.29	DN100	5.61837	0.18	0.67	
N73	NT51	23.37	DN100	3.88588	0.07	0.47		NC25	NT10	3.97	DN100	-5.89838	-0.02	-0.71	
N74	NT39	8.73	DN100	-1.35620	-0.00	-0.16	Vel.< 0.3 m/s	NC26	NC27	5.43	DN100	5.33838	0.03	0.64	
N74	NT45	3.49	DN100	1.35620	0.00	0.16	Vel.< 0.3 m/s	NC27	NC28	19.92	DN100	5.05837	0.09	0.61	

NC28	NT11	5.69	DN100	4.77838	0.02	0.57	
NC29	NC30	39.03	DN100	0.03747	0.00	0.00	Vel.< 0.3 m/s
NC29	NT3	8.30	DN100	-0.31747	-0.00	-0.04	Vel.< 0.3 m/s
NC30	NC31	9.30	DN100	-0.24253	-0.00	-0.03	Vel.< 0.3 m/s
NC31	NC32	34.11	DN100	-0.52253	-0.00	-0.06	Vel.< 0.3 m/s
NC32	NT12	9.59	DN100	-0.80253	-0.00	-0.10	Vel.< 0.3 m/s
NC33	NT4	14.20	DN100	-0.16631	-0.00	-0.02	Vel.< 0.3 m/s
NC34	NC35	8.91	DN100	-1.16369	-0.00	-0.14	Vel.< 0.3 m/s
NC36	NT13	5.11	DN100	-2.49370	-0.01	-0.30	Vel.< 0.3 m/s
NC37	NT14	7.31	DN100	0.81714	0.00	0.10	Vel.< 0.3 m/s
NC38	NC39	6.39	DN100	2.78698	0.01	0.33	
NC38	NT14	28.10	DN100	-3.45198	-0.07	-0.41	
NC40	NT15	8.98	DN100	1.45698	0.00	0.17	Vel.< 0.3 m/s
NC41	NC42	40.07	DN100	-1.32645	-0.02	-0.16	Vel.< 0.3 m/s
NC41	NT5	8.82	DN100	0.66145	0.00	0.08	Vel.< 0.3 m/s
NC42	NC43	8.40	DN100	-1.99145	-0.01	-0.24	Vel.< 0.3 m/s
NC43	NC44	38.81	DN100	-2.65645	-0.06	-0.32	
NC44	NT15	9.18	DN100	-3.32145	-0.02	-0.40	
NC45	NC46	39.50	DN100	-1.23579	-0.01	-0.15	Vel.< 0.3 m/s
NC45	NT6	11.19	DN100	0.41329	0.00	0.05	Vel.< 0.3 m/s
NC46	NC47	7.20	DN100	-2.05830	-0.01	-0.25	Vel.< 0.3 m/s
NC47	NC48	40.77	DN100	-2.88080	-0.07	-0.35	
NC48	NT16	6.61	DN100	-3.70330	-0.02	-0.44	
NC49	NC50	50.40	DN100	1.29414	0.02	0.16	Vel.< 0.3 m/s
NC49	NT16	9.65	DN100	-2.11664	-0.01	-0.25	Vel.< 0.3 m/s
NC50	NC51	17.19	DN100	0.47164	0.00	0.06	Vel.< 0.3 m/s
NC51	NC52	45.91	DN100	-0.35086	-0.00	-0.04	Vel.< 0.3 m/s
NC52	NT17	6.56	DN100	-1.17336	-0.00	-0.14	Vel.< 0.3 m/s
NC53	NC54	24.62	DN100	4.55349	0.09	0.55	
NC53	NT19	5.16	DN100	-5.13099	-0.02	-0.62	
NC54	NC55	3.62	DN100	3.97599	0.01	0.48	
NC55	NC56	21.34	DN100	3.39849	0.05	0.41	
NC56	NT20	1.26	DN100	2.82099	0.00	0.34	
NC57	NC72	31.20	DN100	-1.08865	-0.01	-0.13	Vel.< 0.3 m/s
NC57	NT21	1.09	DN100	0.51115	0.00	0.06	Vel.< 0.3 m/s
NC58	NC59	51.60	DN100	1.69785	0.03	0.20	Vel.< 0.3 m/s
NC58	NT23	27.48	DN100	-2.11785	-0.03	-0.25	Vel.< 0.3 m/s
NC60	NT24	5.22	DN100	0.85785	0.00	0.10	Vel.< 0.3 m/s
NC61	NT25	28.29	DN100	0.30699	0.00	0.04	Vel.< 0.3 m/s
NC61	NT26	97.13	DN100	-1.04199	-0.03	-0.13	Vel.< 0.3 m/s
NC62	NC63	80.65	DN250	12.86694	0.03	0.25	Vel.< 0.3 m/s
NC63	NC64	49.85	DN250	2.86693	0.00	0.06	Vel.< 0.3 m/s
NC64	NT97	9.70	DN250	-7.13308	-0.00	-0.14	Vel.< 0.3 m/s
NC65	NC66	89.95	DN250	-20.26147	-0.07	-0.40	
NC65	NT97	42.30	DN250	13.26146	0.01	0.26	Vel.< 0.3 m/s
NC66	NC67	19.78	DN250	-27.26149	-0.02	-0.54	

NC67	NT57	47.42	DN250	-27.41148	-0.06	-0.54	
NC68	NT19	13.65	DN100	-1.61683	-0.01	-0.19	Vel.< 0.3 m/s
NC71	NT27	11.88	DN100	-0.69317	-0.00	-0.08	Vel.< 0.3 m/s
NC72	NC73	14.24	DN100	-1.66615	-0.01	-0.20	Vel.< 0.3 m/s
NC73	NC74	52.76	DN100	-2.24365	-0.06	-0.27	Vel.< 0.3 m/s
NC74	NT28	11.65	DN100	-2.82115	-0.02	-0.34	
NC75	NC76	24.83	DN100	-1.84055	-0.02	-0.22	Vel.< 0.3 m/s
NC75	NT22	10.93	DN100	1.42055	0.01	0.17	Vel.< 0.3 m/s
NC76	NC77	41.44	DN100	-2.26055	-0.05	-0.27	Vel.< 0.3 m/s
NC78	NT29	11.09	DN100	-3.10055	-0.02	-0.37	
NC79	NC80	35.36	DN100	-3.47279	-0.08	-0.42	
NC79	NT24	9.36	DN100	3.05279	0.02	0.37	
NC80	NC81	17.42	DN100	-3.89279	-0.05	-0.47	
NC81	NT30	10.90	DN100	-4.31280	-0.04	-0.52	
NC82	NT25	33.75	DN100	3.46677	0.08	0.42	
NC83	NC84	42.61	DN100	2.59194	0.06	0.31	
NC83	NT27	17.88	DN100	-3.16944	-0.04	-0.38	
NC84	NC85	10.37	DN100	2.01444	0.01	0.24	Vel.< 0.3 m/s
NC85	NC86	35.23	DN100	1.43694	0.02	0.17	Vel.< 0.3 m/s
NC86	NT28	7.25	DN100	0.85944	0.00	0.10	Vel.< 0.3 m/s
NC87	NC88	18.57	DN100	1.71104	0.01	0.21	Vel.< 0.3 m/s
NC87	NT29	26.86	DN100	-2.13104	-0.03	-0.26	Vel.< 0.3 m/s
NC88	NC89	22.60	DN100	1.29104	0.01	0.15	Vel.< 0.3 m/s
NC89	NC90	13.93	DN100	0.87104	0.00	0.10	Vel.< 0.3 m/s
NC90	NT30	25.41	DN100	0.45104	0.00	0.05	Vel.< 0.3 m/s
NC91	NT31	23.26	DN100	-1.19492	-0.01	-0.14	Vel.< 0.3 m/s
NC91	NT32	107.19	DN100	0.45992	0.01	0.06	Vel.< 0.3 m/s
NC92	NC93	10.54	DN100	1.57847	0.01	0.19	Vel.< 0.3 m/s
NC92	NT33	4.91	DN100	-1.59597	-0.00	-0.19	Vel.< 0.3 m/s
NC93	NC94	14.91	DN100	1.54347	0.01	0.19	Vel.< 0.3 m/s
NC94	NC95	14.90	DN100	1.50847	0.01	0.18	Vel.< 0.3 m/s
NC95	NC96	15.09	DN100	1.47347	0.01	0.18	Vel.< 0.3 m/s
NC96	NC97	15.08	DN100	1.43847	0.01	0.17	Vel.< 0.3 m/s
NC97	NC98	15.10	DN100	1.40347	0.01	0.17	Vel.< 0.3 m/s
NC98	NC99	14.99	DN100	1.36847	0.01	0.16	Vel.< 0.3 m/s
NC99	NT34	13.03	DN100	1.33347	0.01	0.16	Vel.< 0.3 m/s
NC100	NC101	10.07	DN100	1.56221	0.01	0.19	Vel.< 0.3 m/s
NC100	NT35	10.45	DN100	-1.57971	-0.01	-0.19	Vel.< 0.3 m/s
NC101	NC102	15.08	DN100	1.52721	0.01	0.18	Vel.< 0.3 m/s
NC103	NC104	15.24	DN100	1.45721	0.01	0.17	Vel.< 0.3 m/s
NC105	NC106	14.82	DN100	-1.11279	-0.00	-0.13	Vel.< 0.3 m/s
NC106	NT36	11.82	DN100	-1.14779	-0.00	-0.14	Vel.< 0.3 m/s
NC107	NC108	15.01	DN100	0.26810	0.00	0.03	Vel.< 0.3 m/s
NC107	NT37	12.94	DN100	-0.30310	-0.00	-0.04	Vel.< 0.3 m/s
NC108	NC109	15.05	DN100	0.23310	0.00	0.03	Vel.< 0.3 m/s
NC109	NC110	15.23	DN100	0.19810	0.00	0.02	Vel.< 0.3 m/s

NC110	NC111	14.90	DN100	0.16310	0.00	0.02	Vel.< 0.3 m/s
NC111	NC112	14.93	DN100	0.12810	0.00	0.02	Vel.< 0.3 m/s
NC112	NC113	14.85	DN100	0.09310	0.00	0.01	Vel.< 0.3 m/s
NC113	NC114	12.54	DN100	0.05810	0.00	0.01	Vel.< 0.3 m/s
NC114	NT38	12.09	DN100	0.04060	0.00	0.00	Vel.< 0.3 m/s
NC115	NC116	15.06	DN100	-0.72138	-0.00	-0.09	Vel.< 0.3 m/s
NC117	NC118	15.00	DN100	-0.79138	-0.00	-0.09	Vel.< 0.3 m/s
NC119	NC120	15.01	DN100	-0.86137	-0.00	-0.10	Vel.< 0.3 m/s
NC121	NC122	14.98	DN100	-0.93137	-0.00	-0.11	Vel.< 0.3 m/s
NC123	NC124	10.11	DN100	-0.80216	-0.00	-0.10	Vel.< 0.3 m/s
NC123	NT41	10.42	DN100	0.78466	0.00	0.09	Vel.< 0.3 m/s
NC124	NC125	15.08	DN100	-0.83716	-0.00	-0.10	Vel.< 0.3 m/s
NC126	NC127	14.82	DN100	-0.90716	-0.00	-0.11	Vel.< 0.3 m/s
NC128	NC129	14.91	DN100	-0.97716	-0.00	-0.12	Vel.< 0.3 m/s
NC129	NT42	11.79	DN100	-1.01216	-0.00	-0.12	Vel.< 0.3 m/s
NC130	NC131	15.12	DN100	-0.43212	-0.00	-0.05	Vel.< 0.3 m/s
NC130	NT43	13.07	DN100	0.39712	0.00	0.05	Vel.< 0.3 m/s
NC132	NC133	14.98	DN100	-0.50212	-0.00	-0.06	Vel.< 0.3 m/s
NC134	NC135	15.00	DN100	-0.57212	-0.00	-0.07	Vel.< 0.3 m/s
NC136	NC137	13.25	DN100	-0.64212	-0.00	-0.08	Vel.< 0.3 m/s
NC137	NT44	10.07	DN100	-0.65962	-0.00	-0.08	Vel.< 0.3 m/s
NC138	NC139	14.93	DN100	-2.56468	-0.02	-0.31	
NC138	NT45	8.36	DN100	2.52968	0.01	0.30	
NC139	NC140	15.08	DN100	-2.59968	-0.02	-0.31	
NC140	NC141	15.08	DN100	-2.63468	-0.02	-0.32	
NC141	NC142	14.90	DN100	-2.66968	-0.02	-0.32	
NC142	NC143	14.89	DN100	-2.70468	-0.02	-0.32	
NC143	NC144	15.11	DN100	-2.73968	-0.02	-0.33	
NC144	NC145	15.10	DN100	-2.77468	-0.02	-0.33	
NC145	NC146	15.15	DN100	-2.80968	-0.02	-0.34	
NC146	NT46	13.00	DN100	-2.84468	-0.02	-0.34	
NC147	NC148	11.73	DN100	-1.15058	-0.00	-0.14	Vel.< 0.3 m/s
NC147	NT47	8.80	DN100	1.13308	0.00	0.14	Vel.< 0.3 m/s
NC148	NC149	15.01	DN100	-1.18558	-0.01	-0.14	Vel.< 0.3 m/s
NC149	NC150	14.96	DN100	-1.22058	-0.01	-0.15	Vel.< 0.3 m/s
NC150	NC151	15.08	DN100	-1.25558	-0.01	-0.15	Vel.< 0.3 m/s
NC151	NC152	15.11	DN100	-1.29058	-0.01	-0.15	Vel.< 0.3 m/s
NC152	NC153	14.82	DN100	-1.32558	-0.01	-0.16	Vel.< 0.3 m/s
NC153	NT48	11.83	DN100	-1.36058	-0.01	-0.16	Vel.< 0.3 m/s
NC154	NC155	12.73	DN100	-0.08099	-0.00	-0.01	Vel.< 0.3 m/s
NC154	NT49	7.71	DN100	0.00000	0.00	0.00	Vel.< 0.3 m/s
NC155	NC156	14.81	DN100	-0.11599	-0.00	-0.01	Vel.< 0.3 m/s
NC156	NC157	15.12	DN100	-0.15099	-0.00	-0.02	Vel.< 0.3 m/s
NC157	NC158	14.98	DN100	-0.18599	-0.00	-0.02	Vel.< 0.3 m/s
NC158	NC159	14.92	DN100	-0.22099	-0.00	-0.03	Vel.< 0.3 m/s
NC159	NC160	15.11	DN100	-0.25599	-0.00	-0.03	Vel.< 0.3 m/s

NC160	NC161	14.99	DN100	-0.29099	-0.00	-0.03	Vel.< 0.3 m/s
NC161	NT50	15.50	DN100	-0.32599	-0.00	-0.04	Vel.< 0.3 m/s
NC162	NC163	13.11	DN100	-3.62874	-0.03	-0.44	
NC162	NT51	13.79	DN100	3.61124	0.03	0.43	
NC164	NC165	15.15	DN100	-3.69874	-0.04	-0.44	
NC166	NC167	14.86	DN100	-3.76874	-0.04	-0.45	
NC168	NC169	15.00	DN100	-3.83874	-0.04	-0.46	
NC170	NC171	14.72	DN100	-3.90874	-0.04	-0.47	
NC172	NT52	11.43	DN100	6.78842	0.09	0.81	
NC172	NT60	66.00	DN100	-7.29841	-0.60	-0.88	
NC173	NC174	10.89	DN100	-0.19221	-0.00	-0.02	Vel.< 0.3 m/s
NC173	NT53	9.66	DN100	0.17471	0.00	0.02	Vel.< 0.3 m/s
NC174	NC175	15.17	DN100	-0.22721	-0.00	-0.03	Vel.< 0.3 m/s
NC176	NC177	15.06	DN100	-0.29721	-0.00	-0.04	Vel.< 0.3 m/s
NC178	NC179	14.94	DN100	-0.36721	-0.00	-0.04	Vel.< 0.3 m/s
NC179	NT54	11.53	DN100	-0.40221	-0.00	-0.05	Vel.< 0.3 m/s
NC180	NT54	10.13	DN100	6.50023	0.07	0.78	
NC180	NT64	67.07	DN100	-6.81223	-0.53	-0.82	
NC182	NC183	11.28	DN100	-0.12479	-0.00	-0.01	Vel.< 0.3 m/s
NC182	NT55	9.25	DN100	0.10729	0.00	0.01	Vel.< 0.3 m/s
NC184	NC185	14.99	DN100	-0.19479	-0.00	-0.02	Vel.< 0.3 m/s
NC186	NC187	14.86	DN100	-0.26479	-0.00	-0.03	Vel.< 0.3 m/s
NC188	NC189	14.99	DN100	-0.33479	-0.00	-0.04	Vel.< 0.3 m/s
NC189	NT56	10.84	DN100	-0.36979	-0.00	-0.04	Vel.< 0.3 m/s
NC190	NC191	29.77	DN100	-5.07235	-0.14	-0.61	
NC191	NT60	27.49	DN100	-5.10735	-0.13	-0.61	
NC192	NT61	12.22	DN100	-6.62547	-0.09	-0.80	
NC194	NC195	22.66	DN100	1.59385	0.01	0.19	Vel.< 0.3 m/s
NC194	NT59	34.25	DN100	-1.62885	-0.02	-0.20	Vel.< 0.3 m/s
NC195	NC196	15.01	DN100	1.55885	0.01	0.19	Vel.< 0.3 m/s
NC196	NC197	14.88	DN100	1.52385	0.01	0.18	Vel.< 0.3 m/s
NC197	NC198	15.08	DN100	1.48885	0.01	0.18	Vel.< 0.3 m/s
NC199	NC262	16.69	DN100	-7.05974	-0.14	-0.85	
NC199	NT60	29.17	DN100	7.02473	0.25	0.84	
NC200	NT61	12.58	DN100	8.30588	0.14	1.00	
NC201	NC202	14.89	DN100	-8.37588	-0.17	-1.01	
NC203	NT70	0.87	DN100	-6.11828	-0.01	-0.73	
NC204	NC205	17.32	DN100	-3.27484	-0.04	-0.39	
NC204	NT62	24.58	DN100	3.23984	0.05	0.39	
NC205	NC206	17.34	DN100	-3.30984	-0.04	-0.40	
NC206	NC207	17.29	DN100	-3.34484	-0.04	-0.40	
NC207	NT71	13.38	DN100	-3.37984	-0.03	-0.41	
NC208	NC209	14.91	DN100	-3.03078	-0.03	-0.36	
NC208	NT63	12.76	DN100	2.99578	0.02	0.36	
NC210	NC211	15.32	DN100	-3.10078	-0.03	-0.37	
NC212	NC213	12.05	DN100	-3.17078	-0.02	-0.38	

NC213	NT72	8.79	DN100	-3.18828	-0.02	-0.38		NT12	NT13	25.40	DN100	3.97584	0.08	0.48	
NC214	NC215	16.79	DN100	-3.24704	-0.04	-0.39		NT14	NT23	37.00	DN100	-2.63484	-0.05	-0.32	
NC214	NT64	22.86	DN100	3.21204	0.05	0.39		NT15	NT16	15.70	DN100	1.86481	0.01	0.22	Vel.< 0.3 m/s
NC215	NC216	17.28	DN100	-3.28204	-0.04	-0.39		NT15	NT24	40.35	DN100	-3.72928	-0.11	-0.45	
NC216	NC217	16.70	DN100	-3.31704	-0.04	-0.40		NT16	NT25	40.35	DN100	-3.95512	-0.12	-0.47	
NC217	NC218	16.85	DN100	-3.35204	-0.04	-0.40		NT17	NT26	38.84	DN100	-4.98680	-0.18	-0.60	
NC218	NC219	16.58	DN100	-3.38704	-0.04	-0.41		NT22	NT23	11.33	DN100	4.75269	0.05	0.57	
NC219	NT73	8.66	DN100	-3.40454	-0.02	-0.41		NT24	NT25	15.70	DN100	0.18136	0.00	0.02	Vel.< 0.3 m/s
NC220	NT65	12.78	DN100	3.23989	0.03	0.39		NT26	NT32	22.79	DN100	-6.02879	-0.15	-0.72	
NC221	NC222	14.79	DN100	-3.30989	-0.03	-0.40		NT27	NT33	15.31	DN100	2.26580	0.02	0.27	Vel.< 0.3 m/s
NC223	NC224	15.10	DN100	-3.37989	-0.03	-0.41		NT27	NT97	25.95	DN150	-6.12841	-0.02	-0.33	
NC225	NC226	14.93	DN100	-3.44989	-0.03	-0.41		NT28	NT29	25.40	DN100	2.17699	0.03	0.26	Vel.< 0.3 m/s
NC227	NT74	7.89	DN100	-3.51989	-0.02	-0.42		NT28	NT34	14.40	DN100	-4.13870	-0.05	-0.50	
NC228	NC229	16.18	DN100	-4.17046	-0.05	-0.50		NT29	NT35	14.40	DN100	-3.05460	-0.03	-0.37	
NC228	NT66	13.53	DN100	4.15297	0.04	0.50		NT30	NT31	14.40	DN100	0.32062	0.00	0.04	Vel.< 0.3 m/s
NC231	NC232	16.69	DN100	-4.27546	-0.06	-0.51		NT30	NT36	14.40	DN100	-4.18237	-0.05	-0.50	
NC233	NC234	16.63	DN100	-4.34546	-0.06	-0.52		NT31	NT37	14.40	DN100	-5.07607	-0.07	-0.61	
NC235	NC236	16.64	DN100	-4.41546	-0.06	-0.53		NT32	NT38	14.69	DN100	-5.56887	-0.08	-0.67	
NC237	NC238	14.96	DN100	-4.20256	-0.05	-0.50		NT34	NT40	49.00	DN100	-2.80524	-0.08	-0.34	
NC237	NT67	12.82	DN100	4.16756	0.04	0.50		NT35	NT41	49.00	DN100	-4.63431	-0.19	-0.56	
NC238	NC239	14.97	DN100	-4.23756	-0.05	-0.51		NT36	NT42	49.00	DN100	-5.33016	-0.25	-0.64	
NC239	NC240	15.07	DN100	-4.27256	-0.05	-0.51		NT40	NT41	25.40	DN100	-3.77161	-0.07	-0.45	
NC240	NC241	14.91	DN100	-4.30756	-0.05	-0.52		NT41	NT47	11.40	DN100	-7.62126	-0.11	-0.91	
NC241	NC242	14.82	DN100	-4.34256	-0.05	-0.52		NT42	NT43	14.40	DN80	-1.60488	-0.02	-0.29	Vel.< 0.3 m/s
NC242	NC243	15.02	DN100	-4.37756	-0.05	-0.53		NT42	NT48	11.40	DN80	-4.73744	-0.13	-0.86	
NC243	NC244	14.96	DN100	-4.41256	-0.05	-0.53		NT43	NT49	11.40	DN100	-6.58693	-0.09	-0.79	
NC244	NC245	14.96	DN100	-4.44756	-0.06	-0.53		NT44	NT50	11.42	DN100	-6.18790	-0.08	-0.74	
NC245	NC246	14.93	DN100	-4.48256	-0.06	-0.54		NT46	NT52	49.00	DN100	-2.84468	-0.08	-0.34	
NC246	NC247	15.15	DN100	-4.51756	-0.06	-0.54		NT48	NT54	49.00	DN100	-6.09802	-0.32	-0.73	
NC247	NC248	14.68	DN100	-4.55256	-0.06	-0.55		NT57	NT58	25.07	DN150	6.18689	0.02	0.33	
NC248	NT76	6.24	DN100	-4.58756	-0.02	-0.55		NT57	NT82	92.44	DN250	-33.59836	-0.17	-0.66	
NC249	NT68	21.13	DN100	3.48861	0.05	0.42		NT58	NT59	34.49	DN100	-3.42600	-0.08	-0.41	
NC253	NC254	16.59	DN100	-3.66361	-0.04	-0.44		NT60	NT61	25.91	DN100	-5.38103	-0.13	-0.65	
NC255	NC256	16.31	DN100	-3.73361	-0.04	-0.45		NT62	NT63	9.49	DN100	-0.46079	-0.00	-0.06	Vel.< 0.3 m/s
NC257	NC258	16.39	DN100	-3.80361	-0.05	-0.46		NT64	NT65	14.53	DN80	-1.06520	-0.01	-0.19	Vel.< 0.3 m/s
NC259	NC260	16.33	DN100	-3.87361	-0.05	-0.46		NT65	NT66	49.45	DN100	-4.58345	-0.19	-0.55	
NC261	NT79	7.52	DN100	-3.94361	-0.02	-0.47		NT66	NT67	9.42	DN100	-0.43049	-0.00	-0.05	Vel.< 0.3 m/s
NC262	NT69	2.12	DN100	-7.09474	-0.02	-0.85		NT67	NT68	53.79	DN100	3.73707	0.14	0.45	
NC263	NT58	3.32	DN100	-9.61289	-0.05	-1.15		NT69	NT81	11.78	DN100	-22.24088	-0.83	-2.67	Vel.máx.
NT1	NT2	41.50	DN150	5.37145	0.03	0.29	Vel.< 0.3 m/s	NT70	NT81	13.62	DN100	-14.52914	-0.43	-1.74	
NT3	NT4	27.71	DN100	4.51813	0.10	0.54		NT71	NT72	9.20	DN100	2.70344	0.01	0.32	
NT5	NT6	15.71	DN100	2.35327	0.02	0.28	Vel.< 0.3 m/s	NT75	NT80	5.95	DN100	-11.85974	-0.13	-1.42	
NT8	SG1	137.03	DN200	-70.58868	-2.88	-2.17		NT76	NT80	5.95	DN100	-8.53117	-0.07	-1.02	
NT9	NT10	25.53	DN150	7.60253	0.04	0.41		NT78	NT79	16.02	DN100	3.94361	0.05	0.47	
NT9	NT18	38.82	DN250	29.61478	0.06	0.58		NT80	SG2	30.07	DN150	-20.39090	-0.25	-1.10	
NT11	NT12	8.69	DN100	4.77838	0.04	0.57		NT81	SG3	38.53	DN150	-36.77002	-0.97	-1.99	

NT82	NT83	29.12	DN250	-33.59837	-0.05	-0.66	
NT83	NT84	34.65	DN250	-33.59837	-0.06	-0.66	
NT84	NT85	26.41	DN250	-33.59837	-0.05	-0.66	
NT85	NT86	185.68	DN250	-33.59835	-0.34	-0.66	
NT86	NT87	82.40	DN250	-33.59836	-0.15	-0.66	
NT87	NT89	23.72	DN250	-33.59837	-0.04	-0.66	
NT89	NT90	59.94	DN250	-33.59836	-0.11	-0.66	
NT90	NT91	88.50	DN250	-33.59836	-0.16	-0.66	
NT91	NT92	102.27	DN250	-33.59836	-0.19	-0.66	
NT92	NT93	39.08	DN250	-33.59837	-0.07	-0.66	
NT93	NT94	27.64	DN250	-33.59837	-0.05	-0.66	
NT94	SG4	16.46	DN250	-33.59838	-0.03	-0.66	

Combinaciones: H5+H9

Inicio	Final	Longitud m	Diámetros mm	Caudal l/s	Périd. m.c.a.	Velocidad m/s	Coment.
BR39	NC39	25.31	DN100	-1.95540	-0.02	-0.23	Vel.< 0.3 m/s
BR39	NC40	20.66	DN100	1.95540	0.02	0.23	Vel.< 0.3 m/s
BR48	NT21	7.01	DN100	-2.70348	-0.01	-0.32	
BR48	NT22	18.49	DN100	2.70348	0.03	0.32	
BR52	NC59	11.31	DN100	-0.94420	-0.00	-0.11	Vel.< 0.3 m/s
BR52	NC60	9.90	DN100	0.94420	0.00	0.11	Vel.< 0.3 m/s
BR64	NC104	12.64	DN100	-1.13727	-0.00	-0.14	Vel.< 0.3 m/s
BR64	NC105	2.50	DN100	-1.36273	-0.00	-0.16	Vel.< 0.3 m/s
BR65	NC102	12.59	DN100	-1.20727	-0.00	-0.14	Vel.< 0.3 m/s
BR65	NC103	2.17	DN100	1.20727	0.00	0.14	Vel.< 0.3 m/s
BR88	NC127	11.50	DN100	1.32487	0.00	0.16	Vel.< 0.3 m/s
BR88	NC128	3.49	DN100	-1.32487	-0.00	-0.16	Vel.< 0.3 m/s
BR89	NC125	11.53	DN100	1.25487	0.00	0.15	Vel.< 0.3 m/s
BR89	NC126	3.70	DN100	-1.25487	-0.00	-0.15	Vel.< 0.3 m/s
BR92	NC120	7.89	DN100	1.36908	0.00	0.16	Vel.< 0.3 m/s
BR92	NC121	7.07	DN100	-1.36908	-0.00	-0.16	Vel.< 0.3 m/s
BR93	NC118	8.00	DN100	1.29908	0.00	0.16	Vel.< 0.3 m/s
BR93	NC119	7.14	DN100	-1.29908	-0.00	-0.16	Vel.< 0.3 m/s
BR99	H9	21.39	DN100	6.98759	0.18	0.84	
BR99	NT51	6.66	DN100	-6.98760	-0.06	-0.84	
BR107	NC181	4.70	DN100	-7.14856	-0.04	-0.86	
BR107	NT55	6.01	DN100	7.14856	0.05	0.86	
BR115	NC169	2.77	DN100	4.50101	0.01	0.54	
BR115	NC170	12.41	DN100	-4.50101	-0.05	-0.54	
H1	NC1	9.98	DN100	5.87845	0.06	0.71	
H1	NT2	10.61	DN100	-5.87845	-0.06	-0.71	
H2	NC8	18.03	DN100	-1.59468	-0.01	-0.19	Vel.< 0.3 m/s
H2	NT5	5.47	DN100	1.59468	0.00	0.19	Vel.< 0.3 m/s
H3	NC13	5.44	DN100	-0.56286	-0.00	-0.07	Vel.< 0.3 m/s

H3	NT7	3.12	DN100	0.56286	0.00	0.07	Vel.< 0.3 m/s
H4	NC62	31.11	DN250	20.79422	0.02	0.41	
H4	NT18	7.10	DN250	-20.79423	-0.01	-0.41	
H5	N11	28.66	DN100	-11.25485	-0.57	-1.35	
H5	N12	2.54	DN100	-5.34515	-0.01	-0.64	
H6	NC77	7.27	DN100	2.86091	0.01	0.34	
H6	NC78	15.27	DN100	-2.86091	-0.03	-0.34	
H7	N10	13.86	DN100	4.37418	0.05	0.52	
H7	NT31	15.24	DN100	-4.37418	-0.05	-0.52	
H8	N23	27.84	DN100	6.00496	0.18	0.72	
H8	N24	2.91	DN100	-6.00497	-0.02	-0.72	
H9	N71	8.63	DN100	-9.61242	-0.13	-1.15	
H10	N82	6.56	DN100	7.58350	0.06	0.91	
H10	NC192	15.26	DN100	-7.58349	-0.15	-0.91	
H11	N38	25.00	DN100	7.49056	0.24	0.90	
H11	N39	5.06	DN100	-7.49056	-0.05	-0.90	
H12	NC198	7.06	DN100	7.11672	0.06	0.85	
H12	NT69	34.08	DN100	-7.11672	-0.29	-0.85	
H13	NC250	6.92	DN100	3.66773	0.02	0.44	
H13	NC251	9.77	DN100	-3.66773	-0.03	-0.44	
H14	N53	22.21	DN100	-7.12052	-0.19	-0.85	
H14	N58	8.16	DN100	7.12053	0.07	0.85	
N1	NC23	28.40	DN100	1.41633	0.01	0.17	Vel.< 0.3 m/s
N1	NC24	15.62	DN100	-1.41633	-0.01	-0.17	Vel.< 0.3 m/s
N2	NC21	11.08	DN100	0.85633	0.00	0.10	Vel.< 0.3 m/s
N2	NC22	24.47	DN100	-0.85633	-0.00	-0.10	Vel.< 0.3 m/s
N3	NC33	21.20	DN100	0.47916	0.00	0.06	Vel.< 0.3 m/s
N3	NC34	12.38	DN100	-0.47916	-0.00	-0.06	Vel.< 0.3 m/s
N4	NC35	8.76	DN100	1.80916	0.01	0.22	Vel.< 0.3 m/s
N4	NC36	18.71	DN100	-1.80916	-0.01	-0.22	Vel.< 0.3 m/s
N5	NC37	25.14	DN100	1.43021	0.01	0.17	Vel.< 0.3 m/s
N5	NT13	6.22	DN100	-1.43021	-0.00	-0.17	Vel.< 0.3 m/s
N6	NC9	49.73	DN100	-1.90464	-0.04	-0.23	Vel.< 0.3 m/s
N6	NC10	4.11	DN100	1.90464	0.00	0.23	Vel.< 0.3 m/s
N7	N8	30.01	DN100	-1.38536	-0.01	-0.17	Vel.< 0.3 m/s
N7	NC13	4.29	DN100	1.38536	0.00	0.17	Vel.< 0.3 m/s
N8	NC14	3.43	DN100	-1.38536	-0.00	-0.17	Vel.< 0.3 m/s
N9	NC16	9.67	DN100	3.85286	0.03	0.46	
N9	NT17	9.23	DN100	-3.85286	-0.03	-0.46	
N10	NC82	3.91	DN100	4.37418	0.01	0.52	
N11	NC71	1.66	DN100	-11.25487	-0.03	-1.35	
N12	NC70	28.65	DN100	-5.34515	-0.15	-0.64	
N13	NC69	9.68	DN100	-5.92265	-0.06	-0.71	
N13	NC70	1.36	DN100	5.92265	0.01	0.71	
N14	N15	30.01	DN100	-6.50015	-0.22	-0.78	
N14	NC69	20.34	DN100	6.50015	0.15	0.78	

N15	NC68	19.49	DN100	-6.50015	-0.14	-0.78		N42	NC252	14.62	DN100	3.73773	0.04	0.45	
N16	NT20	13.46	DN100	-2.00987	-0.01	-0.24	Vel.< 0.3 m/s	N42	NC253	1.62	DN100	-3.73773	-0.00	-0.45	
N16	NT21	26.25	DN100	2.00987	0.02	0.24	Vel.< 0.3 m/s	N43	NC254	11.88	DN100	3.80773	0.03	0.46	
N17	NT18	4.50	DN100	-11.39752	-0.09	-1.37		N43	NC255	4.37	DN100	-3.80773	-0.01	-0.46	
N17	NT19	20.61	DN150	11.39752	0.06	0.62		N44	NC256	9.37	DN100	3.87773	0.03	0.47	
N18	N19	30.00	DN100	-1.88632	-0.02	-0.23	Vel.< 0.3 m/s	N44	NC257	6.85	DN100	-3.87773	-0.02	-0.47	
N18	NT33	1.22	DN100	1.88632	0.00	0.23	Vel.< 0.3 m/s	N45	NC258	6.77	DN100	3.94773	0.02	0.47	
N19	NT39	21.29	DN100	-1.88632	-0.02	-0.23	Vel.< 0.3 m/s	N45	NC259	9.53	DN100	-3.94773	-0.03	-0.47	
N20	NC115	7.00	DN100	-1.15908	-0.00	-0.14	Vel.< 0.3 m/s	N46	NC260	4.16	DN100	4.01773	0.01	0.48	
N20	NT39	12.08	DN100	1.15908	0.00	0.14	Vel.< 0.3 m/s	N46	NC261	20.56	DN100	-4.01773	-0.06	-0.48	
N21	NC116	7.97	DN100	1.22908	0.00	0.15	Vel.< 0.3 m/s	N47	NT76	9.30	DN100	-4.05273	-0.03	-0.49	
N21	NC117	7.11	DN100	-1.22908	-0.00	-0.15	Vel.< 0.3 m/s	N47	NT78	34.62	DN100	4.05272	0.11	0.49	
N22	NC122	7.96	DN100	1.43908	0.00	0.17	Vel.< 0.3 m/s	N48	NC229	1.91	DN100	4.29213	0.01	0.52	
N22	NT40	5.05	DN100	-1.43908	-0.00	-0.17	Vel.< 0.3 m/s	N48	NC230	14.38	DN100	-4.29213	-0.05	-0.52	
N23	NT38	4.65	DN100	6.00497	0.03	0.72		N49	NC230	14.58	DN100	4.32713	0.05	0.52	
N24	NT44	13.63	DN100	-6.00496	-0.09	-0.72		N49	NC231	2.43	DN100	-4.32713	-0.01	-0.52	
N25	NC135	8.58	DN100	0.69337	0.00	0.08	Vel.< 0.3 m/s	N50	NC232	11.20	DN100	4.39713	0.04	0.53	
N25	NC136	6.36	DN100	-0.69337	-0.00	-0.08	Vel.< 0.3 m/s	N50	NC233	5.43	DN100	-4.39713	-0.02	-0.53	
N26	NC133	8.63	DN100	0.62337	0.00	0.07	Vel.< 0.3 m/s	N51	NC234	7.91	DN100	4.46713	0.03	0.54	
N26	NC134	6.43	DN100	-0.62337	-0.00	-0.07	Vel.< 0.3 m/s	N51	NC235	8.78	DN100	-4.46713	-0.03	-0.54	
N27	NC131	8.59	DN100	0.55337	0.00	0.07	Vel.< 0.3 m/s	N52	NC236	4.59	DN100	4.53713	0.02	0.54	
N27	NC132	6.40	DN100	-0.55337	-0.00	-0.07	Vel.< 0.3 m/s	N52	NT75	20.73	DN100	-4.53713	-0.08	-0.54	
N28	NT37	22.80	DN100	5.84246	0.14	0.70		N53	NT75	9.20	DN100	-7.12052	-0.08	-0.85	
N28	NT43	26.20	DN100	-5.84246	-0.16	-0.70		N54	NC220	6.39	DN100	3.53967	0.02	0.42	
N29	N30	26.90	DN100	-7.10609	-0.23	-0.85		N54	NC221	8.67	DN100	-3.53967	-0.02	-0.42	
N29	NT50	4.00	DN100	7.10609	0.03	0.85		N55	NC222	6.58	DN100	3.60967	0.02	0.43	
N30	NT56	18.31	DN100	-7.10609	-0.16	-0.85		N55	NC223	8.41	DN100	-3.60967	-0.02	-0.43	
N31	NT49	24.01	DN100	7.13870	0.21	0.86		N56	NC224	6.55	DN100	3.67967	0.02	0.44	
N31	NT55	25.00	DN100	-7.13870	-0.22	-0.86		N56	NC225	8.35	DN100	-3.67967	-0.02	-0.44	
N32	NC183	11.20	DN100	0.04264	0.00	0.01	Vel.< 0.3 m/s	N57	NC226	6.86	DN100	3.74967	0.02	0.45	
N32	NC184	3.84	DN100	0.00000	-0.00	0.00	Vel.< 0.3 m/s	N57	NC227	8.07	DN100	-3.74967	-0.02	-0.45	
N33	NC185	11.17	DN100	0.11264	0.00	0.01	Vel.< 0.3 m/s	N58	NT74	15.12	DN100	7.12052	0.13	0.85	
N33	NC186	3.89	DN100	-0.11264	-0.00	-0.01	Vel.< 0.3 m/s	N59	NT73	1.43	DN100	3.33585	0.00	0.40	
N34	NC187	11.27	DN100	0.18264	0.00	0.02	Vel.< 0.3 m/s	N59	NT74	13.44	DN100	-3.33585	-0.03	-0.40	
N34	NC188	3.84	DN100	-0.18264	-0.00	-0.02	Vel.< 0.3 m/s	N60	NC211	5.54	DN100	3.07385	0.01	0.37	
N35	N36	29.97	DN100	-7.35872	-0.27	-0.88		N60	NC212	9.39	DN100	-3.07385	-0.02	-0.37	
N35	NT56	11.57	DN100	7.35872	0.11	0.88		N61	NT72	20.58	DN100	-0.36468	-0.00	-0.04	Vel.< 0.3 m/s
N36	NC193	24.37	DN100	-7.35872	-0.22	-0.88		N61	NT73	28.62	DN100	0.36468	0.00	0.04	Vel.< 0.3 m/s
N37	NC193	5.64	DN100	7.70073	0.06	0.92		N62	NC209	5.13	DN100	3.00385	0.01	0.36	
N37	NT68	6.64	DN100	-7.70073	-0.07	-0.92		N62	NC210	9.54	DN100	-3.00385	-0.02	-0.36	
N38	NC181	25.31	DN100	7.49056	0.24	0.90		N63	N64	30.01	DN100	3.52974	0.07	0.42	
N39	NT65	11.16	DN100	-7.49056	-0.11	-0.90		N63	NT63	14.40	DN100	-3.52974	-0.04	-0.42	
N40	NC249	4.28	DN100	3.63273	0.01	0.44		N64	NT64	5.16	DN100	3.52974	0.01	0.42	
N40	NC250	12.31	DN100	-3.63273	-0.03	-0.44		N65	NC203	26.65	DN100	-6.87102	-0.22	-0.82	
N41	NC251	1.65	DN100	3.70273	0.00	0.44		N65	NT71	24.96	DN100	6.87102	0.20	0.82	
N41	NC252	14.84	DN100	-3.70273	-0.04	-0.44		N66	NT61	31.89	DN100	2.64410	0.05	0.32	

N66	NT62	18.12	DN100	-2.64410	-0.03	-0.32		NC14	NC15	8.39	DN100	-2.20786	-0.01	-0.26	Vel.< 0.3 m/s
N67	NC200	13.49	DN100	8.50699	0.16	1.02		NC15	NC16	38.52	DN100	-3.03036	-0.07	-0.36	
N67	NC201	1.64	DN100	-8.50699	-0.02	-1.02		NC17	NC18	37.56	DN200	66.01662	0.70	2.03	
N68	NC202	13.51	DN100	8.57699	0.16	1.03		NC17	NT8	24.61	DN200	-73.01664	-0.55	-2.24	Vel.máx.
N68	NT70	1.58	DN100	-8.57699	-0.02	-1.03		NC18	NT9	33.27	DN200	59.01663	0.50	1.81	
N69	N70	28.09	DN100	4.03251	0.09	0.48		NC19	NC20	63.32	DN250	-12.30213	-0.02	-0.24	Vel.< 0.3 m/s
N69	NC190	58.73	DN100	-4.03251	-0.18	-0.48		NC20	NT9	27.10	DN250	-19.30213	-0.02	-0.38	
N70	NT59	7.59	DN100	4.03251	0.02	0.48		NC21	NT2	13.61	DN100	0.57633	0.00	0.07	Vel.< 0.3 m/s
N71	N72	30.00	DN100	-9.61241	-0.45	-1.15		NC22	NC23	5.80	DN100	-1.13633	-0.00	-0.14	Vel.< 0.3 m/s
N72	NC263	2.39	DN100	-9.61242	-0.04	-1.15		NC24	NT10	3.68	DN100	-1.69633	-0.00	-0.20	Vel.< 0.3 m/s
N73	NT45	26.53	DN100	-2.74909	-0.04	-0.33		NC25	NC26	32.29	DN100	5.54645	0.18	0.67	
N73	NT51	23.37	DN100	2.74909	0.04	0.33		NC25	NT10	3.97	DN100	-5.82645	-0.02	-0.70	
N74	NT39	8.73	DN100	0.72724	0.00	0.09	Vel.< 0.3 m/s	NC26	NC27	5.43	DN100	5.26645	0.03	0.63	
N74	NT45	3.49	DN100	-0.72724	-0.00	-0.09	Vel.< 0.3 m/s	NC27	NC28	19.92	DN100	4.98645	0.09	0.60	
N75	NC163	2.74	DN100	4.29101	0.01	0.51		NC28	NT11	5.69	DN100	4.70645	0.02	0.56	
N75	NC164	12.08	DN100	-4.29101	-0.04	-0.51		NC29	NC30	39.03	DN100	0.03793	0.00	0.00	Vel.< 0.3 m/s
N76	NC165	2.78	DN100	4.36101	0.01	0.52		NC29	NT3	8.30	DN100	-0.31793	-0.00	-0.04	Vel.< 0.3 m/s
N76	NC166	12.20	DN100	-4.36101	-0.04	-0.52		NC30	NC31	9.30	DN100	-0.24207	-0.00	-0.03	Vel.< 0.3 m/s
N77	NC167	2.95	DN100	4.43101	0.01	0.53		NC31	NC32	34.11	DN100	-0.52207	-0.00	-0.06	Vel.< 0.3 m/s
N77	NC168	12.23	DN100	-4.43101	-0.04	-0.53		NC32	NT12	9.59	DN100	-0.80207	-0.00	-0.10	Vel.< 0.3 m/s
N78	NC171	2.95	DN100	4.57101	0.01	0.55		NC33	NT4	14.20	DN100	-0.18584	-0.00	-0.02	Vel.< 0.3 m/s
N78	NT52	10.07	DN100	-4.57101	-0.04	-0.55		NC34	NC35	8.91	DN100	-1.14416	-0.00	-0.14	Vel.< 0.3 m/s
N79	N80	26.94	DN100	-7.49122	-0.25	-0.90		NC36	NT13	5.11	DN100	-2.47416	-0.01	-0.30	Vel.< 0.3 m/s
N79	NT47	5.52	DN100	7.49123	0.05	0.90		NC37	NT14	7.31	DN100	0.76521	0.00	0.09	Vel.< 0.3 m/s
N80	NT53	16.54	DN100	-7.49122	-0.16	-0.90		NC38	NC39	6.39	DN100	2.62040	0.01	0.31	
N81	N82	30.00	DN100	-7.58349	-0.29	-0.91		NC38	NT14	28.10	DN100	-3.28540	-0.06	-0.39	
N81	NT53	13.46	DN100	7.58349	0.13	0.91		NC40	NT15	8.98	DN100	1.29040	0.00	0.15	Vel.< 0.3 m/s
N83	NC177	6.22	DN100	0.06523	0.00	0.01	Vel.< 0.3 m/s	NC41	NC42	40.07	DN100	-1.35358	-0.02	-0.16	Vel.< 0.3 m/s
N83	NC178	8.76	DN100	-0.06523	-0.00	-0.01	Vel.< 0.3 m/s	NC41	NT5	8.82	DN100	0.68858	0.00	0.08	Vel.< 0.3 m/s
N84	NC175	6.37	DN100	0.00000	-0.00	0.00	Vel.< 0.3 m/s	NC42	NC43	8.40	DN100	-2.01858	-0.01	-0.24	Vel.< 0.3 m/s
N84	NC176	8.73	DN100	0.00000	0.00	0.00	Vel.< 0.3 m/s	NC43	NC44	38.81	DN100	-2.68358	-0.06	-0.32	
N85	NC19	21.43	DN250	-5.30212	-0.00	-0.10	Vel.< 0.3 m/s	NC44	NT15	9.18	DN100	-3.34858	-0.02	-0.40	
N85	NT1	6.90	DN250	5.30212	0.00	0.10	Vel.< 0.3 m/s	NC45	NC46	39.50	DN100	-1.26639	-0.02	-0.15	Vel.< 0.3 m/s
N86	NC11	16.46	DN100	-0.25964	-0.00	-0.03	Vel.< 0.3 m/s	NC45	NT6	11.19	DN100	0.44389	0.00	0.05	Vel.< 0.3 m/s
N86	NC12	43.73	DN100	0.25964	0.00	0.03	Vel.< 0.3 m/s	NC46	NC47	7.20	DN100	-2.08889	-0.01	-0.25	Vel.< 0.3 m/s
NC1	NC2	6.20	DN100	5.59845	0.03	0.67		NC47	NC48	40.77	DN100	-2.91139	-0.07	-0.35	
NC2	NC3	20.17	DN100	5.31845	0.10	0.64		NC48	NT16	6.61	DN100	-3.73389	-0.02	-0.45	
NC3	NC4	10.34	DN100	5.03845	0.05	0.60		NC49	NC50	50.40	DN100	1.21720	0.02	0.15	Vel.< 0.3 m/s
NC4	NT3	8.89	DN100	4.75845	0.04	0.57		NC49	NT16	9.65	DN100	-2.03970	-0.01	-0.24	Vel.< 0.3 m/s
NC5	NC6	19.26	DN100	3.58968	0.05	0.43		NC50	NC51	17.19	DN100	0.39470	0.00	0.05	Vel.< 0.3 m/s
NC5	NT4	15.87	DN100	-4.25468	-0.05	-0.51		NC51	NC52	45.91	DN100	-0.42780	-0.00	-0.05	Vel.< 0.3 m/s
NC6	NC7	32.83	DN100	2.92468	0.06	0.35		NC52	NT17	6.56	DN100	-1.25030	-0.00	-0.15	Vel.< 0.3 m/s
NC7	NC8	25.40	DN100	2.25968	0.03	0.27	Vel.< 0.3 m/s	NC53	NC54	24.62	DN100	3.74237	0.07	0.45	
NC9	NT6	10.76	DN100	-2.72714	-0.02	-0.33		NC53	NT19	5.16	DN100	-4.31987	-0.02	-0.52	
NC10	NC11	9.44	DN100	1.08214	0.00	0.13	Vel.< 0.3 m/s	NC54	NC55	3.62	DN100	3.16487	0.01	0.38	
NC12	NT7	6.17	DN100	-0.56286	-0.00	-0.07	Vel.< 0.3 m/s	NC55	NC56	21.34	DN100	2.58737	0.03	0.31	

NC56	NT20	1.26	DN100	2.00987	0.00	0.24	Vel.< 0.3 m/s
NC57	NC72	31.20	DN100	-1.27111	-0.01	-0.15	Vel.< 0.3 m/s
NC57	NT21	1.09	DN100	0.69361	0.00	0.08	Vel.< 0.3 m/s
NC58	NC59	51.60	DN100	1.36420	0.02	0.16	Vel.< 0.3 m/s
NC58	NT23	27.48	DN100	-1.78420	-0.02	-0.21	Vel.< 0.3 m/s
NC60	NT24	5.22	DN100	0.52420	0.00	0.06	Vel.< 0.3 m/s
NC61	NT25	28.29	DN100	0.45546	0.00	0.05	Vel.< 0.3 m/s
NC61	NT26	97.13	DN100	-1.19046	-0.03	-0.14	Vel.< 0.3 m/s
NC62	NC63	80.65	DN250	10.79420	0.02	0.21	Vel.< 0.3 m/s
NC63	NC64	49.85	DN250	0.79419	0.00	0.02	Vel.< 0.3 m/s
NC64	NT97	9.70	DN250	-9.20582	-0.00	-0.18	Vel.< 0.3 m/s
NC65	NC66	89.95	DN250	-29.27108	-0.13	-0.58	
NC65	NT97	42.30	DN250	22.27108	0.04	0.44	
NC66	NC67	19.78	DN250	-36.27110	-0.04	-0.72	
NC67	NT57	47.42	DN250	-36.42109	-0.10	-0.72	
NC68	NT19	13.65	DN100	-7.07765	-0.12	-0.85	
NC71	NT27	11.88	DN100	-11.83236	-0.26	-1.42	
NC72	NC73	14.24	DN100	-1.84861	-0.01	-0.22	Vel.< 0.3 m/s
NC73	NC74	52.76	DN100	-2.42611	-0.07	-0.29	Vel.< 0.3 m/s
NC74	NT28	11.65	DN100	-3.00361	-0.02	-0.36	
NC75	NC76	24.83	DN100	-2.02091	-0.02	-0.24	Vel.< 0.3 m/s
NC75	NT22	10.93	DN100	1.60091	0.01	0.19	Vel.< 0.3 m/s
NC76	NC77	41.44	DN100	-2.44091	-0.05	-0.29	Vel.< 0.3 m/s
NC78	NT29	11.09	DN100	-3.28091	-0.02	-0.39	
NC79	NC80	35.36	DN100	-3.63293	-0.09	-0.44	
NC79	NT24	9.36	DN100	3.21293	0.02	0.39	
NC80	NC81	17.42	DN100	-4.05293	-0.05	-0.49	
NC81	NT30	10.90	DN100	-4.47293	-0.04	-0.54	
NC82	NT25	33.75	DN100	3.63918	0.09	0.44	
NC83	NC84	42.61	DN100	1.71901	0.03	0.21	Vel.< 0.3 m/s
NC83	NT27	17.88	DN100	-2.29651	-0.02	-0.28	Vel.< 0.3 m/s
NC84	NC85	10.37	DN100	1.14151	0.00	0.14	Vel.< 0.3 m/s
NC85	NC86	35.23	DN100	0.56401	0.00	0.07	Vel.< 0.3 m/s
NC86	NT28	7.25	DN100	0.00000	-0.00	0.00	Vel.< 0.3 m/s
NC87	NC88	18.57	DN100	1.15709	0.01	0.14	Vel.< 0.3 m/s
NC87	NT29	26.86	DN100	-1.57709	-0.02	-0.19	Vel.< 0.3 m/s
NC88	NC89	22.60	DN100	0.73709	0.00	0.09	Vel.< 0.3 m/s
NC89	NC90	13.93	DN100	0.31709	0.00	0.04	Vel.< 0.3 m/s
NC90	NT30	25.41	DN100	-0.10291	-0.00	-0.01	Vel.< 0.3 m/s
NC91	NT31	23.26	DN100	-1.07283	-0.01	-0.13	Vel.< 0.3 m/s
NC91	NT32	107.19	DN100	0.33783	0.00	0.04	Vel.< 0.3 m/s
NC92	NC93	10.54	DN100	0.80523	0.00	0.10	Vel.< 0.3 m/s
NC92	NT33	4.91	DN100	-0.82273	-0.00	-0.10	Vel.< 0.3 m/s
NC93	NC94	14.91	DN100	0.77023	0.00	0.09	Vel.< 0.3 m/s
NC94	NC95	14.90	DN100	0.73523	0.00	0.09	Vel.< 0.3 m/s
NC95	NC96	15.09	DN100	0.70023	0.00	0.08	Vel.< 0.3 m/s

NC96	NC97	15.08	DN100	0.66523	0.00	0.08	Vel.< 0.3 m/s
NC97	NC98	15.10	DN100	0.63023	0.00	0.08	Vel.< 0.3 m/s
NC98	NC99	14.99	DN100	0.59523	0.00	0.07	Vel.< 0.3 m/s
NC99	NT34	13.03	DN100	0.56023	0.00	0.07	Vel.< 0.3 m/s
NC100	NC101	10.07	DN100	1.27727	0.00	0.15	Vel.< 0.3 m/s
NC100	NT35	10.45	DN100	-1.29477	-0.00	-0.16	Vel.< 0.3 m/s
NC101	NC102	15.08	DN100	1.24227	0.01	0.15	Vel.< 0.3 m/s
NC103	NC104	15.24	DN100	1.17227	0.01	0.14	Vel.< 0.3 m/s
NC105	NC106	14.82	DN100	-1.39773	-0.01	-0.17	Vel.< 0.3 m/s
NC106	NT36	11.82	DN100	-1.43273	-0.01	-0.17	Vel.< 0.3 m/s
NC107	NC108	15.01	DN100	0.17833	0.00	0.02	Vel.< 0.3 m/s
NC107	NT37	12.94	DN100	-0.21333	-0.00	-0.03	Vel.< 0.3 m/s
NC108	NC109	15.05	DN100	0.14333	0.00	0.02	Vel.< 0.3 m/s
NC109	NC110	15.23	DN100	0.10833	0.00	0.01	Vel.< 0.3 m/s
NC110	NC111	14.90	DN100	0.07333	0.00	0.01	Vel.< 0.3 m/s
NC111	NC112	14.93	DN100	0.03833	0.00	0.00	Vel.< 0.3 m/s
NC112	NC113	14.85	DN100	0.00000	0.00	0.00	Vel.< 0.3 m/s
NC113	NC114	12.54	DN100	-0.03167	-0.00	-0.00	Vel.< 0.3 m/s
NC114	NT38	12.09	DN100	-0.04917	-0.00	-0.01	Vel.< 0.3 m/s
NC115	NC116	15.06	DN100	-1.19408	-0.01	-0.14	Vel.< 0.3 m/s
NC117	NC118	15.00	DN100	-1.26408	-0.01	-0.15	Vel.< 0.3 m/s
NC119	NC120	15.01	DN100	-1.33408	-0.01	-0.16	Vel.< 0.3 m/s
NC121	NC122	14.98	DN100	-1.40408	-0.01	-0.17	Vel.< 0.3 m/s
NC123	NC124	10.11	DN100	-1.18487	-0.00	-0.14	Vel.< 0.3 m/s
NC123	NT41	10.42	DN100	1.16737	0.00	0.14	Vel.< 0.3 m/s
NC124	NC125	15.08	DN100	-1.21987	-0.01	-0.15	Vel.< 0.3 m/s
NC126	NC127	14.82	DN100	-1.28987	-0.01	-0.15	Vel.< 0.3 m/s
NC128	NC129	14.91	DN100	-1.35987	-0.01	-0.16	Vel.< 0.3 m/s
NC129	NT42	11.79	DN100	-1.39487	-0.01	-0.17	Vel.< 0.3 m/s
NC130	NC131	15.12	DN100	-0.51837	-0.00	-0.06	Vel.< 0.3 m/s
NC130	NT43	13.07	DN100	0.48337	0.00	0.06	Vel.< 0.3 m/s
NC132	NC133	14.98	DN100	-0.58837	-0.00	-0.07	Vel.< 0.3 m/s
NC134	NC135	15.00	DN100	-0.65837	-0.00	-0.08	Vel.< 0.3 m/s
NC136	NC137	13.25	DN100	-0.72837	-0.00	-0.09	Vel.< 0.3 m/s
NC137	NT44	10.07	DN100	-0.74587	-0.00	-0.09	Vel.< 0.3 m/s
NC138	NC139	14.93	DN100	-3.51133	-0.04	-0.42	
NC138	NT45	8.36	DN100	3.47633	0.02	0.42	
NC139	NC140	15.08	DN100	-3.54633	-0.04	-0.43	
NC140	NC141	15.08	DN100	-3.58133	-0.04	-0.43	
NC141	NC142	14.90	DN100	-3.61633	-0.04	-0.43	
NC142	NC143	14.89	DN100	-3.65133	-0.04	-0.44	
NC143	NC144	15.11	DN100	-3.68633	-0.04	-0.44	
NC144	NC145	15.10	DN100	-3.72133	-0.04	-0.45	
NC145	NC146	15.15	DN100	-3.75633	-0.04	-0.45	
NC146	NT46	13.00	DN100	-3.79133	-0.04	-0.46	
NC147	NC148	11.73	DN100	-1.40763	-0.01	-0.17	Vel.< 0.3 m/s

NC147	NT47	8.80	DN100	1.39013	0.00	0.17	Vel.< 0.3 m/s
NC148	NC149	15.01	DN100	-1.44263	-0.01	-0.17	Vel.< 0.3 m/s
NC149	NC150	14.96	DN100	-1.47763	-0.01	-0.18	Vel.< 0.3 m/s
NC150	NC151	15.08	DN100	-1.51263	-0.01	-0.18	Vel.< 0.3 m/s
NC151	NC152	15.11	DN100	-1.54763	-0.01	-0.19	Vel.< 0.3 m/s
NC152	NC153	14.82	DN100	-1.58263	-0.01	-0.19	Vel.< 0.3 m/s
NC153	NT48	11.83	DN100	-1.61763	-0.01	-0.19	Vel.< 0.3 m/s
NC154	NC155	12.73	DN100	-0.11026	-0.00	-0.01	Vel.< 0.3 m/s
NC154	NT49	7.71	DN100	0.09276	0.00	0.01	Vel.< 0.3 m/s
NC155	NC156	14.81	DN100	-0.14526	-0.00	-0.02	Vel.< 0.3 m/s
NC156	NC157	15.12	DN100	-0.18026	-0.00	-0.02	Vel.< 0.3 m/s
NC157	NC158	14.98	DN100	-0.21526	-0.00	-0.03	Vel.< 0.3 m/s
NC158	NC159	14.92	DN100	-0.25026	-0.00	-0.03	Vel.< 0.3 m/s
NC159	NC160	15.11	DN100	-0.28526	-0.00	-0.03	Vel.< 0.3 m/s
NC160	NC161	14.99	DN100	-0.32026	-0.00	-0.04	Vel.< 0.3 m/s
NC161	NT50	15.50	DN100	-0.35526	-0.00	-0.04	Vel.< 0.3 m/s
NC162	NC163	13.11	DN100	-4.25601	-0.04	-0.51	
NC162	NT51	13.79	DN100	4.23851	0.05	0.51	
NC164	NC165	15.15	DN100	-4.32601	-0.05	-0.52	
NC166	NC167	14.86	DN100	-4.39601	-0.05	-0.53	
NC168	NC169	15.00	DN100	-4.46601	-0.06	-0.54	
NC170	NC171	14.72	DN100	-4.53601	-0.06	-0.54	
NC172	NT52	11.43	DN100	8.36234	0.13	1.00	
NC172	NT60	66.00	DN100	-8.87233	-0.85	-1.06	
NC173	NC174	10.89	DN100	0.07477	0.00	0.01	Vel.< 0.3 m/s
NC173	NT53	9.66	DN100	-0.09227	-0.00	-0.01	Vel.< 0.3 m/s
NC174	NC175	15.17	DN100	0.03977	0.00	0.00	Vel.< 0.3 m/s
NC176	NC177	15.06	DN100	-0.03023	-0.00	-0.00	Vel.< 0.3 m/s
NC178	NC179	14.94	DN100	-0.10023	-0.00	-0.01	Vel.< 0.3 m/s
NC179	NT54	11.53	DN100	-0.13523	-0.00	-0.02	Vel.< 0.3 m/s
NC180	NT54	10.13	DN100	7.10181	0.09	0.85	
NC180	NT64	67.07	DN100	-7.41381	-0.62	-0.89	
NC182	NC183	11.28	DN100	0.00000	-0.00	0.00	Vel.< 0.3 m/s
NC182	NT55	9.25	DN100	0.00000	-0.00	0.00	Vel.< 0.3 m/s
NC184	NC185	14.99	DN100	-0.07764	-0.00	-0.01	Vel.< 0.3 m/s
NC186	NC187	14.86	DN100	-0.14764	-0.00	-0.02	Vel.< 0.3 m/s
NC188	NC189	14.99	DN100	-0.21764	-0.00	-0.03	Vel.< 0.3 m/s
NC189	NT56	10.84	DN100	-0.25264	-0.00	-0.03	Vel.< 0.3 m/s
NC190	NC191	29.77	DN100	-4.05001	-0.09	-0.49	
NC191	NT60	27.49	DN100	-4.08501	-0.09	-0.49	
NC192	NT61	12.22	DN100	-7.89549	-0.13	-0.95	
NC194	NC195	22.66	DN100	-6.97672	-0.19	-0.84	
NC194	NT59	34.25	DN100	6.94172	0.28	0.83	
NC195	NC196	15.01	DN100	-7.01172	-0.13	-0.84	
NC196	NC197	14.88	DN100	-7.04672	-0.13	-0.85	
NC197	NC198	15.08	DN100	-7.08172	-0.13	-0.85	

NC199	NC262	16.69	DN100	-9.77174	-0.26	-1.17	
NC199	NT60	29.17	DN100	9.73674	0.45	1.17	
NC200	NT61	12.58	DN100	8.47199	0.15	1.02	
NC201	NC202	14.89	DN100	-8.54199	-0.18	-1.03	
NC203	NT70	0.87	DN100	-6.90603	-0.01	-0.83	
NC204	NC205	17.32	DN100	-3.27499	-0.04	-0.39	
NC204	NT62	24.58	DN100	3.23999	0.05	0.39	
NC205	NC206	17.34	DN100	-3.30999	-0.04	-0.40	
NC206	NC207	17.29	DN100	-3.34499	-0.04	-0.40	
NC207	NT71	13.38	DN100	-3.37999	-0.03	-0.41	
NC208	NC209	14.91	DN100	-2.96885	-0.03	-0.36	
NC208	NT63	12.76	DN100	2.93385	0.02	0.35	
NC210	NC211	15.32	DN100	-3.03885	-0.03	-0.36	
NC212	NC213	12.05	DN100	-3.10885	-0.02	-0.37	
NC213	NT72	8.79	DN100	-3.12635	-0.02	-0.38	
NC214	NC215	16.79	DN100	-3.54304	-0.04	-0.43	
NC214	NT64	22.86	DN100	3.50804	0.05	0.42	
NC215	NC216	17.28	DN100	-3.57804	-0.04	-0.43	
NC216	NC217	16.70	DN100	-3.61304	-0.04	-0.43	
NC217	NC218	16.85	DN100	-3.64804	-0.04	-0.44	
NC218	NC219	16.58	DN100	-3.68304	-0.04	-0.44	
NC219	NT73	8.66	DN100	-3.70054	-0.02	-0.44	
NC220	NT65	12.78	DN100	3.50467	0.03	0.42	
NC221	NC222	14.79	DN100	-3.57467	-0.04	-0.43	
NC223	NC224	15.10	DN100	-3.64467	-0.04	-0.44	
NC225	NC226	14.93	DN100	-3.71467	-0.04	-0.45	
NC227	NT74	7.89	DN100	-3.78467	-0.02	-0.45	
NC228	NC229	16.18	DN100	-4.25713	-0.06	-0.51	
NC228	NT66	13.53	DN100	4.23963	0.05	0.51	
NC231	NC232	16.69	DN100	-4.36213	-0.06	-0.52	
NC233	NC234	16.63	DN100	-4.43213	-0.06	-0.53	
NC235	NC236	16.64	DN100	-4.50213	-0.06	-0.54	
NC237	NC238	14.96	DN100	-4.26030	-0.05	-0.51	
NC237	NT67	12.82	DN100	4.22530	0.04	0.51	
NC238	NC239	14.97	DN100	-4.29530	-0.05	-0.52	
NC239	NC240	15.07	DN100	-4.33030	-0.05	-0.52	
NC240	NC241	14.91	DN100	-4.36530	-0.05	-0.52	
NC241	NC242	14.82	DN100	-4.40030	-0.05	-0.53	
NC242	NC243	15.02	DN100	-4.43530	-0.06	-0.53	
NC243	NC244	14.96	DN100	-4.47030	-0.06	-0.54	
NC244	NC245	14.96	DN100	-4.50530	-0.06	-0.54	
NC245	NC246	14.93	DN100	-4.54030	-0.06	-0.54	
NC246	NC247	15.15	DN100	-4.57530	-0.06	-0.55	
NC247	NC248	14.68	DN100	-4.61030	-0.06	-0.55	
NC248	NT76	6.24	DN100	-4.64530	-0.02	-0.56	
NC249	NT68	21.13	DN100	3.59773	0.05	0.43	

NC253	NC254	16.59	DN100	-3.77273	-0.05	-0.45	Vel.< 0.3 m/s
NC255	NC256	16.31	DN100	-3.84273	-0.05	-0.46	
NC257	NC258	16.39	DN100	-3.91273	-0.05	-0.47	
NC259	NC260	16.33	DN100	-3.98273	-0.05	-0.48	
NC261	NT79	7.52	DN100	-4.05273	-0.02	-0.49	Vel.< 0.3 m/s
NC262	NT69	2.12	DN100	-9.80675	-0.03	-1.18	
NC263	NT58	3.32	DN100	-10.12242	-0.05	-1.21	
NT1	NT2	41.50	DN150	5.30212	0.03	0.29	
NT3	NT4	27.71	DN100	4.44052	0.10	0.53	Vel.< 0.3 m/s
NT5	NT6	15.71	DN100	2.28326	0.02	0.27	
NT8	SG1	137.03	DN200	-73.01656	-3.07	-2.24	
NT9	NT10	25.53	DN150	7.52278	0.04	0.41	
NT9	NT18	38.82	DN250	32.19175	0.07	0.64	Vel.< 0.3 m/s
NT11	NT12	8.69	DN100	4.70645	0.04	0.56	
NT12	NT13	25.40	DN100	3.90437	0.07	0.47	
NT14	NT23	37.00	DN100	-2.52019	-0.05	-0.30	
NT15	NT16	15.70	DN100	1.75540	0.01	0.21	Vel.< 0.3 m/s
NT15	NT24	40.35	DN100	-3.81357	-0.11	-0.46	
NT16	NT25	40.35	DN100	-4.01819	-0.12	-0.48	
NT17	NT26	38.84	DN100	-5.10316	-0.18	-0.61	
NT22	NT23	11.33	DN100	4.30439	0.04	0.52	Vel.< 0.3 m/s
NT24	NT25	15.70	DN100	-0.07645	-0.00	-0.01	
NT26	NT32	22.79	DN100	-6.29362	-0.16	-0.76	
NT27	NT33	15.31	DN100	-1.06359	-0.00	-0.13	
NT27	NT97	25.95	DN150	-13.06528	-0.10	-0.71	Vel.< 0.3 m/s
NT28	NT29	25.40	DN100	0.99780	0.01	0.12	
NT28	NT34	14.40	DN100	-4.01490	-0.04	-0.48	
NT29	NT35	14.40	DN100	-3.86020	-0.04	-0.46	
NT30	NT31	14.40	DN100	-0.18212	-0.00	-0.02	Vel.< 0.3 m/s
NT30	NT36	14.40	DN100	-4.39372	-0.05	-0.53	
NT31	NT37	14.40	DN100	-5.62913	-0.08	-0.68	
NT32	NT38	14.69	DN100	-5.95579	-0.09	-0.71	
NT34	NT40	49.00	DN100	-3.45467	-0.11	-0.41	Vel.< 0.3 m/s
NT35	NT41	49.00	DN100	-5.15497	-0.24	-0.62	
NT36	NT42	49.00	DN100	-5.82645	-0.29	-0.70	
NT40	NT41	25.40	DN100	-4.89375	-0.11	-0.59	
NT41	NT47	11.40	DN100	-8.88135	-0.15	-1.07	Vel.< 0.3 m/s
NT42	NT43	14.40	DN80	-1.87236	-0.03	-0.34	
NT42	NT48	11.40	DN80	-5.34895	-0.16	-0.97	
NT43	NT49	11.40	DN100	-7.23146	-0.10	-0.87	
NT44	NT50	11.42	DN100	-6.75083	-0.09	-0.81	Vel.< 0.3 m/s
NT46	NT52	49.00	DN100	-3.79133	-0.14	-0.46	
NT48	NT54	49.00	DN100	-6.96658	-0.41	-0.84	
NT57	NT58	25.07	DN150	-0.85182	-0.00	-0.05	
NT57	NT82	92.44	DN250	-35.56927	-0.19	-0.70	Vel.< 0.3 m/s
NT58	NT59	34.49	DN100	-10.97422	-0.66	-1.32	

NT60	NT61	25.91	DN100	-3.22059	-0.05	-0.39	Vel.< 0.3 m/s
NT62	NT63	9.49	DN100	0.59588	0.00	0.07	
NT64	NT65	14.53	DN80	-0.37604	-0.00	-0.07	
NT65	NT66	49.45	DN100	-4.36193	-0.18	-0.52	
NT66	NT67	9.42	DN100	-0.12229	-0.00	-0.01	Vel.< 0.3 m/s
NT67	NT68	53.79	DN100	4.10300	0.17	0.49	
NT69	NT81	11.78	DN100	-16.92346	-0.50	-2.03	
NT70	NT81	13.62	DN100	-15.48300	-0.49	-1.86	
NT71	NT72	9.20	DN100	3.49104	0.02	0.42	Vel.< 0.3 m/s
NT75	NT80	5.95	DN100	-11.65766	-0.13	-1.40	
NT76	NT80	5.95	DN100	-8.69802	-0.07	-1.04	
NT78	NT79	16.02	DN100	4.05273	0.05	0.49	
NT80	SG2	30.07	DN150	-20.35567	-0.25	-1.10	Vel.< 0.3 m/s
NT81	SG3	38.53	DN150	-32.40646	-0.77	-1.75	
NT82	NT83	29.12	DN250	-35.56928	-0.06	-0.70	
NT83	NT84	34.65	DN250	-35.56928	-0.07	-0.70	
NT84	NT85	26.41	DN250	-35.56928	-0.05	-0.70	Vel.< 0.3 m/s
NT85	NT86	185.68	DN250	-35.56926	-0.37	-0.70	
NT86	NT87	82.40	DN250	-35.56927	-0.17	-0.70	
NT87	NT89	23.72	DN250	-35.56928	-0.05	-0.70	
NT89	NT90	59.94	DN250	-35.56927	-0.12	-0.70	Vel.< 0.3 m/s
NT90	NT91	88.50	DN250	-35.56927	-0.18	-0.70	
NT91	NT92	102.27	DN250	-35.56926	-0.21	-0.70	
NT92	NT93	39.08	DN250	-35.56928	-0.08	-0.70	
NT93	NT94	27.64	DN250	-35.56928	-0.06	-0.70	Vel.< 0.3 m/s
NT94	SG4	16.46	DN250	-35.56929	-0.03	-0.70	

Combinaciones: H4+H5

Inicio	Final	Longitud m	Diámetros mm	Caudal l/s	Périd. m.c.a.	Velocidad m/s	Coment.
BR39	NC39	25.31	DN100	-1.65959	-0.02	-0.20	Vel.< 0.3 m/s
BR39	NC40	20.66	DN100	1.65959	0.01	0.20	Vel.< 0.3 m/s
BR48	NT21	7.01	DN100	-2.30092	-0.01	-0.28	Vel.< 0.3 m/s
BR48	NT22	18.49	DN100	2.30092	0.02	0.28	Vel.< 0.3 m/s
BR52	NC59	11.31	DN100	-0.58592	-0.00	-0.07	Vel.< 0.3 m/s
BR52	NC60	9.90	DN100	0.58592	0.00	0.07	Vel.< 0.3 m/s
BR64	NC104	12.64	DN100	-1.17452	-0.00	-0.14	Vel.< 0.3 m/s
BR64	NC105	2.50	DN100	-1.32549	-0.00	-0.16	Vel.< 0.3 m/s
BR65	NC102	12.59	DN100	-1.24452	-0.00	-0.15	Vel.< 0.3 m/s
BR65	NC103	2.17	DN100	1.24452	0.00	0.15	Vel.< 0.3 m/s
BR88	NC127	11.50	DN100	0.78980	0.00	0.09	Vel.< 0.3 m/s
BR88	NC128	3.49	DN100	-0.78980	-0.00	-0.09	Vel.< 0.3 m/s
BR89	NC125	11.53	DN100	0.71980	0.00	0.09	Vel.< 0.3 m/s
BR89	NC126	3.70	DN100	-0.71980	-0.00	-0.09	Vel.< 0.3 m/s
BR92	NC120	7.89	DN100	-1.40186	-0.00	-0.17	Vel.< 0.3 m/s

BR92	NC121	7.07	DN100	1.40186	0.00	0.17	Vel.< 0.3 m/s
BR93	NC118	8.00	DN100	-1.47186	-0.00	-0.18	Vel.< 0.3 m/s
BR93	NC119	7.14	DN100	1.47186	0.00	0.18	Vel.< 0.3 m/s
BR99	H9	21.39	DN100	-0.43326	-0.00	-0.05	Vel.< 0.3 m/s
BR99	NT51	6.66	DN100	0.43326	0.00	0.05	Vel.< 0.3 m/s
BR107	NC181	4.70	DN100	-7.26551	-0.04	-0.87	
BR107	NT55	6.01	DN100	7.26551	0.05	0.87	
BR115	NC169	2.77	DN100	3.46192	0.01	0.42	
BR115	NC170	12.41	DN100	-3.46192	-0.03	-0.42	
H1	NC1	9.98	DN100	5.40203	0.05	0.65	
H1	NT2	10.61	DN100	-5.40203	-0.06	-0.65	
H2	NC8	18.03	DN100	-1.32854	-0.01	-0.16	Vel.< 0.3 m/s
H2	NT5	5.47	DN100	1.32854	0.00	0.16	Vel.< 0.3 m/s
H3	NC13	5.44	DN100	-0.64428	-0.00	-0.08	Vel.< 0.3 m/s
H3	NT7	3.12	DN100	0.64428	0.00	0.08	Vel.< 0.3 m/s
H4	NC62	31.11	DN250	7.69308	0.00	0.15	Vel.< 0.3 m/s
H4	NT18	7.10	DN250	-24.29312	-0.01	-0.48	
H5	N11	28.66	DN100	-11.47590	-0.59	-1.38	
H5	N12	2.54	DN100	-5.12411	-0.01	-0.61	
H6	NC77	7.27	DN100	3.27862	0.02	0.39	
H6	NC78	15.27	DN100	-3.27862	-0.03	-0.39	
H7	N10	13.86	DN100	4.66452	0.06	0.56	
H7	NT31	15.24	DN100	-4.66451	-0.06	-0.56	
H8	N23	27.84	DN100	6.25687	0.19	0.75	
H8	N24	2.91	DN100	-6.25687	-0.02	-0.75	
H9	N71	8.63	DN100	-0.43326	-0.00	-0.05	Vel.< 0.3 m/s
H10	N82	6.56	DN100	7.74189	0.07	0.93	
H10	NC192	15.26	DN100	-7.74189	-0.15	-0.93	
H11	N38	25.00	DN100	7.60751	0.24	0.91	
H11	N39	5.06	DN100	-7.60751	-0.05	-0.91	
H12	NC198	7.06	DN100	6.99859	0.06	0.84	
H12	NT69	34.08	DN100	-6.99858	-0.28	-0.84	
H13	NC250	6.92	DN100	3.64342	0.02	0.44	
H13	NC251	9.77	DN100	-3.64342	-0.03	-0.44	
H14	N53	22.21	DN100	-6.93873	-0.18	-0.83	
H14	N58	8.16	DN100	6.93873	0.07	0.83	
N1	NC23	28.40	DN100	1.37006	0.01	0.16	Vel.< 0.3 m/s
N1	NC24	15.62	DN100	-1.37006	-0.01	-0.16	Vel.< 0.3 m/s
N2	NC21	11.08	DN100	0.81006	0.00	0.10	Vel.< 0.3 m/s
N2	NC22	24.47	DN100	-0.81006	-0.00	-0.10	Vel.< 0.3 m/s
N3	NC33	21.20	DN100	0.59206	0.00	0.07	Vel.< 0.3 m/s
N3	NC34	12.38	DN100	-0.59206	-0.00	-0.07	Vel.< 0.3 m/s
N4	NC35	8.76	DN100	1.92206	0.01	0.23	Vel.< 0.3 m/s
N4	NC36	18.71	DN100	-1.92206	-0.02	-0.23	Vel.< 0.3 m/s
N5	NC37	25.14	DN100	0.76098	0.00	0.09	Vel.< 0.3 m/s
N5	NT13	6.22	DN100	-0.76098	-0.00	-0.09	Vel.< 0.3 m/s

N6	NC9	49.73	DN100	-1.82323	-0.04	-0.22	Vel.< 0.3 m/s
N6	NC10	4.11	DN100	1.82323	0.00	0.22	Vel.< 0.3 m/s
N7	N8	30.01	DN100	-1.46678	-0.02	-0.18	Vel.< 0.3 m/s
N7	NC13	4.29	DN100	1.46678	0.00	0.18	Vel.< 0.3 m/s
N8	NC14	3.43	DN100	-1.46678	-0.00	-0.18	Vel.< 0.3 m/s
N9	NC16	9.67	DN100	3.93428	0.03	0.47	
N9	NT17	9.23	DN100	-3.93428	-0.03	-0.47	
N10	NC82	3.91	DN100	4.66452	0.02	0.56	
N11	NC71	1.66	DN100	-11.47591	-0.03	-1.38	
N12	NC70	28.65	DN100	-5.12410	-0.14	-0.61	
N13	NC69	9.68	DN100	-5.70160	-0.06	-0.68	
N13	NC70	1.36	DN100	5.70161	0.01	0.68	
N14	N15	30.01	DN100	-6.27910	-0.21	-0.75	
N14	NC69	20.34	DN100	6.27910	0.14	0.75	
N15	NC68	19.49	DN100	-6.27910	-0.13	-0.75	
N16	NT20	13.46	DN100	-1.07747	-0.00	-0.13	Vel.< 0.3 m/s
N16	NT21	26.25	DN100	1.07747	0.01	0.13	Vel.< 0.3 m/s
N17	NT18	4.50	DN100	-10.24408	-0.08	-1.23	
N17	NT19	20.61	DN150	10.24408	0.05	0.55	
N18	N19	30.00	DN100	-5.43225	-0.16	-0.65	
N18	NT33	1.22	DN100	5.43225	0.01	0.65	
N19	NT39	21.29	DN100	-5.43225	-0.11	-0.65	
N20	NC115	7.00	DN100	1.61186	0.00	0.19	Vel.< 0.3 m/s
N20	NT39	12.08	DN100	-1.61186	-0.01	-0.19	Vel.< 0.3 m/s
N21	NC116	7.97	DN100	-1.54186	-0.00	-0.19	Vel.< 0.3 m/s
N21	NC117	7.11	DN100	1.54186	0.00	0.19	Vel.< 0.3 m/s
N22	NC122	7.96	DN100	-1.33186	-0.00	-0.16	Vel.< 0.3 m/s
N22	NT40	5.05	DN100	1.33186	0.00	0.16	Vel.< 0.3 m/s
N23	NT38	4.65	DN100	6.25687	0.03	0.75	
N24	NT44	13.63	DN100	-6.25687	-0.09	-0.75	
N25	NC135	8.58	DN100	0.58113	0.00	0.07	Vel.< 0.3 m/s
N25	NC136	6.36	DN100	-0.58113	-0.00	-0.07	Vel.< 0.3 m/s
N26	NC133	8.63	DN100	0.51113	0.00	0.06	Vel.< 0.3 m/s
N26	NC134	6.43	DN100	-0.51113	-0.00	-0.06	Vel.< 0.3 m/s
N27	NC131	8.59	DN100	0.44113	0.00	0.05	Vel.< 0.3 m/s
N27	NC132	6.40	DN100	-0.44113	-0.00	-0.05	Vel.< 0.3 m/s
N28	NT37	22.80	DN100	6.13943	0.15	0.74	
N28	NT43	26.20	DN100	-6.13943	-0.17	-0.74	
N29	N30	26.90	DN100	-7.18422	-0.24	-0.86	
N29	NT50	4.00	DN100	7.18423	0.04	0.86	
N30	NT56	18.31	DN100	-7.18422	-0.16	-0.86	
N31	NT49	24.01	DN100	7.21115	0.21	0.87	
N31	NT55	25.00	DN100	-7.21115	-0.22	-0.87	
N32	NC183	11.20	DN100	0.00000	-0.00	0.00	Vel.< 0.3 m/s
N32	NC184	3.84	DN100	0.00000	0.00	0.00	Vel.< 0.3 m/s
N33	NC185	11.17	DN100	0.06815	0.00	0.01	Vel.< 0.3 m/s

N33	NC186	3.89	DN100	-0.06815	-0.00	-0.01	Vel.< 0.3 m/s	N59	NT73	1.43	DN100	3.15251	0.00	0.38	
N34	NC187	11.27	DN100	0.13815	0.00	0.02	Vel.< 0.3 m/s	N59	NT74	13.44	DN100	-3.15251	-0.03	-0.38	
N34	NC188	3.84	DN100	-0.13815	-0.00	-0.02	Vel.< 0.3 m/s	N60	NC211	5.54	DN100	2.97355	0.01	0.36	
N35	N36	29.97	DN100	-7.39237	-0.28	-0.89		N60	NC212	9.39	DN100	-2.97355	-0.02	-0.36	
N35	NT56	11.57	DN100	7.39237	0.11	0.89		N61	NT72	20.58	DN100	-0.55968	-0.00	-0.07	Vel.< 0.3 m/s
N36	NC193	24.37	DN100	-7.39237	-0.23	-0.89		N61	NT73	28.62	DN100	0.55968	0.00	0.07	Vel.< 0.3 m/s
N37	NC193	5.64	DN100	7.73437	0.06	0.93		N62	NC209	5.13	DN100	2.90355	0.01	0.35	
N37	NT68	6.64	DN100	-7.73437	-0.07	-0.93		N62	NC210	9.54	DN100	-2.90355	-0.02	-0.35	
N38	NC181	25.31	DN100	7.60751	0.25	0.91		N63	N64	30.01	DN100	3.75645	0.08	0.45	
N39	NT65	11.16	DN100	-7.60751	-0.11	-0.91		N63	NT63	14.40	DN100	-3.75645	-0.04	-0.45	
N40	NC249	4.28	DN100	3.60842	0.01	0.43		N64	NT64	5.16	DN100	3.75645	0.01	0.45	
N40	NC250	12.31	DN100	-3.60842	-0.03	-0.43		N65	NC203	26.65	DN100	-6.86787	-0.22	-0.82	
N41	NC251	1.65	DN100	3.67842	0.00	0.44		N65	NT71	24.96	DN100	6.86787	0.20	0.82	
N41	NC252	14.84	DN100	-3.67842	-0.04	-0.44		N66	NT61	31.89	DN100	2.21924	0.03	0.27	Vel.< 0.3 m/s
N42	NC252	14.62	DN100	3.71342	0.04	0.45		N66	NT62	18.12	DN100	-2.21924	-0.02	-0.27	Vel.< 0.3 m/s
N42	NC253	1.62	DN100	-3.71342	-0.00	-0.45		N67	NC200	13.49	DN100	8.30266	0.15	1.00	
N43	NC254	11.88	DN100	3.78342	0.03	0.45		N67	NC201	1.64	DN100	-8.30267	-0.02	-1.00	
N43	NC255	4.37	DN100	-3.78342	-0.01	-0.45		N68	NC202	13.51	DN100	8.37266	0.16	1.00	
N44	NC256	9.37	DN100	3.85342	0.03	0.46		N68	NT70	1.58	DN100	-8.37267	-0.02	-1.00	
N44	NC257	6.85	DN100	-3.85342	-0.02	-0.46		N69	N70	28.09	DN100	4.05140	0.09	0.49	
N45	NC258	6.77	DN100	3.92342	0.02	0.47		N69	NC190	58.73	DN100	-4.05140	-0.18	-0.49	
N45	NC259	9.53	DN100	-3.92342	-0.03	-0.47		N70	NT59	7.59	DN100	4.05140	0.02	0.49	
N46	NC260	4.16	DN100	3.99342	0.01	0.48		N71	N72	30.00	DN100	-0.43326	-0.00	-0.05	Vel.< 0.3 m/s
N46	NC261	20.56	DN100	-3.99342	-0.06	-0.48		N72	NC263	2.39	DN100	-0.43326	-0.00	-0.05	Vel.< 0.3 m/s
N47	NT76	9.30	DN100	-4.02842	-0.03	-0.48		N73	NT45	26.53	DN100	3.63267	0.07	0.44	
N47	NT78	34.62	DN100	4.02842	0.11	0.48		N73	NT51	23.37	DN100	-3.63267	-0.06	-0.44	
N48	NC229	1.91	DN100	4.25000	0.01	0.51		N74	NT39	8.73	DN100	7.04411	0.07	0.85	
N48	NC230	14.38	DN100	-4.24999	-0.05	-0.51		N74	NT45	3.49	DN100	-7.04411	-0.03	-0.85	
N49	NC230	14.58	DN100	4.28499	0.05	0.51		N75	NC163	2.74	DN100	3.25192	0.01	0.39	
N49	NC231	2.43	DN100	-4.28500	-0.01	-0.51		N75	NC164	12.08	DN100	-3.25192	-0.03	-0.39	
N50	NC232	11.20	DN100	4.35499	0.04	0.52		N76	NC165	2.78	DN100	3.32192	0.01	0.40	
N50	NC233	5.43	DN100	-4.35499	-0.02	-0.52		N76	NC166	12.20	DN100	-3.32192	-0.03	-0.40	
N51	NC234	7.91	DN100	4.42499	0.03	0.53		N77	NC167	2.95	DN100	3.39192	0.01	0.41	
N51	NC235	8.78	DN100	-4.42499	-0.03	-0.53		N77	NC168	12.23	DN100	-3.39192	-0.03	-0.41	
N52	NC236	4.59	DN100	4.49499	0.02	0.54		N78	NC171	2.95	DN100	3.53192	0.01	0.42	
N52	NT75	20.73	DN100	-4.49499	-0.08	-0.54		N78	NT52	10.07	DN100	-3.53192	-0.02	-0.42	
N53	NT75	9.20	DN100	-6.93873	-0.08	-0.83		N79	N80	26.94	DN100	-7.51710	-0.26	-0.90	
N54	NC220	6.39	DN100	3.54122	0.02	0.42		N79	NT47	5.52	DN100	7.51711	0.05	0.90	
N54	NC221	8.67	DN100	-3.54122	-0.02	-0.42		N80	NT53	16.54	DN100	-7.51711	-0.16	-0.90	
N55	NC222	6.58	DN100	3.61122	0.02	0.43		N81	N82	30.00	DN100	-7.74189	-0.30	-0.93	
N55	NC223	8.41	DN100	-3.61122	-0.02	-0.43		N81	NT53	13.46	DN100	7.74189	0.14	0.93	
N56	NC224	6.55	DN100	3.68122	0.02	0.44		N83	NC177	6.22	DN100	-0.06729	-0.00	-0.01	Vel.< 0.3 m/s
N56	NC225	8.35	DN100	-3.68122	-0.02	-0.44		N83	NC178	8.76	DN100	0.06729	0.00	0.01	Vel.< 0.3 m/s
N57	NC226	6.86	DN100	3.75122	0.02	0.45		N84	NC175	6.37	DN100	-0.13729	-0.00	-0.02	Vel.< 0.3 m/s
N57	NC227	8.07	DN100	-3.75122	-0.02	-0.45		N84	NC176	8.73	DN100	0.13729	0.00	0.02	Vel.< 0.3 m/s
N58	NT74	15.12	DN100	6.93873	0.12	0.83		N85	NC19	21.43	DN250	-4.87196	-0.00	-0.10	Vel.< 0.3 m/s

N85	NT1	6.90	DN250	4.87197	0.00	0.10	Vel.< 0.3 m/s
N86	NC11	16.46	DN100	-0.17823	-0.00	-0.02	Vel.< 0.3 m/s
N86	NC12	43.73	DN100	0.17823	0.00	0.02	Vel.< 0.3 m/s
NC1	NC2	6.20	DN100	5.12203	0.03	0.61	
NC2	NC3	20.17	DN100	4.84202	0.09	0.58	
NC3	NC4	10.34	DN100	4.56203	0.04	0.55	
NC4	NT3	8.89	DN100	4.28203	0.03	0.51	
NC5	NC6	19.26	DN100	3.32354	0.04	0.40	
NC5	NT4	15.87	DN100	-3.98854	-0.05	-0.48	
NC6	NC7	32.83	DN100	2.65854	0.05	0.32	
NC7	NC8	25.40	DN100	1.99354	0.02	0.24	Vel.< 0.3 m/s
NC9	NT6	10.76	DN100	-2.64573	-0.02	-0.32	
NC10	NC11	9.44	DN100	1.00073	0.00	0.12	Vel.< 0.3 m/s
NC12	NT7	6.17	DN100	-0.64428	-0.00	-0.08	Vel.< 0.3 m/s
NC14	NC15	8.39	DN100	-2.28928	-0.01	-0.27	Vel.< 0.3 m/s
NC15	NC16	38.52	DN100	-3.11178	-0.07	-0.37	
NC17	NC18	37.56	DN200	67.42668	0.73	2.07	
NC17	NT8	24.61	DN200	-74.42669	-0.57	-2.29	Vel.máx.
NC18	NT9	33.27	DN200	60.42669	0.52	1.86	
NC19	NC20	63.32	DN250	-11.87197	-0.02	-0.23	Vel.< 0.3 m/s
NC20	NT9	27.10	DN250	-18.87198	-0.02	-0.37	
NC21	NT2	13.61	DN100	0.53006	0.00	0.06	Vel.< 0.3 m/s
NC22	NC23	5.80	DN100	-1.09006	-0.00	-0.13	Vel.< 0.3 m/s
NC24	NT10	3.68	DN100	-1.65006	-0.00	-0.20	Vel.< 0.3 m/s
NC25	NC26	32.29	DN100	5.08749	0.15	0.61	
NC25	NT10	3.97	DN100	-5.36750	-0.02	-0.64	
NC26	NC27	5.43	DN100	4.80750	0.02	0.58	
NC27	NC28	19.92	DN100	4.52749	0.08	0.54	
NC28	NT11	5.69	DN100	4.24750	0.02	0.51	
NC29	NC30	39.03	DN100	-0.05945	-0.00	-0.01	Vel.< 0.3 m/s
NC29	NT3	8.30	DN100	-0.22055	-0.00	-0.03	Vel.< 0.3 m/s
NC30	NC31	9.30	DN100	-0.33945	-0.00	-0.04	Vel.< 0.3 m/s
NC31	NC32	34.11	DN100	-0.61945	-0.00	-0.07	Vel.< 0.3 m/s
NC32	NT12	9.59	DN100	-0.89945	-0.00	-0.11	Vel.< 0.3 m/s
NC33	NT4	14.20	DN100	-0.07294	-0.00	-0.01	Vel.< 0.3 m/s
NC34	NC35	8.91	DN100	-1.25706	-0.00	-0.15	Vel.< 0.3 m/s
NC36	NT13	5.11	DN100	-2.58707	-0.01	-0.31	
NC37	NT14	7.31	DN100	0.09598	0.00	0.01	Vel.< 0.3 m/s
NC38	NC39	6.39	DN100	2.32459	0.01	0.28	Vel.< 0.3 m/s
NC38	NT14	28.10	DN100	-2.98959	-0.05	-0.36	
NC40	NT15	8.98	DN100	0.99459	0.00	0.12	Vel.< 0.3 m/s
NC41	NC42	40.07	DN100	-1.44743	-0.02	-0.17	Vel.< 0.3 m/s
NC41	NT5	8.82	DN100	0.78243	0.00	0.09	Vel.< 0.3 m/s
NC42	NC43	8.40	DN100	-2.11243	-0.01	-0.25	Vel.< 0.3 m/s
NC43	NC44	38.81	DN100	-2.77743	-0.06	-0.33	
NC44	NT15	9.18	DN100	-3.44243	-0.02	-0.41	

NC45	NC46	39.50	DN100	-1.35726	-0.02	-0.16	Vel.< 0.3 m/s
NC45	NT6	11.19	DN100	0.53476	0.00	0.06	Vel.< 0.3 m/s
NC46	NC47	7.20	DN100	-2.17976	-0.01	-0.26	Vel.< 0.3 m/s
NC47	NC48	40.77	DN100	-3.00226	-0.07	-0.36	
NC48	NT16	6.61	DN100	-3.82476	-0.02	-0.46	
NC49	NC50	50.40	DN100	1.10421	0.02	0.13	Vel.< 0.3 m/s
NC49	NT16	9.65	DN100	-1.92671	-0.01	-0.23	Vel.< 0.3 m/s
NC50	NC51	17.19	DN100	0.28171	0.00	0.03	Vel.< 0.3 m/s
NC51	NC52	45.91	DN100	-0.54079	-0.00	-0.06	Vel.< 0.3 m/s
NC52	NT17	6.56	DN100	-1.36330	-0.00	-0.16	Vel.< 0.3 m/s
NC53	NC54	24.62	DN100	2.80997	0.04	0.34	
NC53	NT19	5.16	DN100	-3.38747	-0.01	-0.41	
NC54	NC55	3.62	DN100	2.23247	0.00	0.27	Vel.< 0.3 m/s
NC55	NC56	21.34	DN100	1.65497	0.01	0.20	Vel.< 0.3 m/s
NC56	NT20	1.26	DN100	1.07747	0.00	0.13	Vel.< 0.3 m/s
NC57	NC72	31.20	DN100	-1.80095	-0.02	-0.22	Vel.< 0.3 m/s
NC57	NT21	1.09	DN100	1.22345	0.00	0.15	Vel.< 0.3 m/s
NC58	NC59	51.60	DN100	1.00592	0.01	0.12	Vel.< 0.3 m/s
NC58	NT23	27.48	DN100	-1.42592	-0.01	-0.17	Vel.< 0.3 m/s
NC60	NT24	5.22	DN100	0.16592	0.00	0.02	Vel.< 0.3 m/s
NC61	NT25	28.29	DN100	0.60761	0.00	0.07	Vel.< 0.3 m/s
NC61	NT26	97.13	DN100	-1.34261	-0.04	-0.16	Vel.< 0.3 m/s
NC62	NC63	80.65	DN250	-2.30694	-0.00	-0.05	Vel.< 0.3 m/s
NC63	NC64	49.85	DN250	-12.30694	-0.01	-0.24	Vel.< 0.3 m/s
NC64	NT97	9.70	DN250	-22.30691	-0.01	-0.44	
NC65	NC66	89.95	DN250	-37.86332	-0.20	-0.75	
NC65	NT97	42.30	DN250	30.86332	0.07	0.61	
NC66	NC67	19.78	DN250	-44.86334	-0.06	-0.89	
NC67	NT57	47.42	DN250	-45.01333	-0.15	-0.89	
NC68	NT19	13.65	DN100	-6.85660	-0.11	-0.82	
NC71	NT27	11.88	DN100	-12.05340	-0.27	-1.45	
NC72	NC73	14.24	DN100	-2.37845	-0.02	-0.29	Vel.< 0.3 m/s
NC73	NC74	52.76	DN100	-2.95595	-0.09	-0.35	
NC74	NT28	11.65	DN100	-3.53345	-0.03	-0.42	
NC75	NC76	24.83	DN100	-2.43862	-0.03	-0.29	Vel.< 0.3 m/s
NC75	NT22	10.93	DN100	2.01862	0.01	0.24	Vel.< 0.3 m/s
NC76	NC77	41.44	DN100	-2.85862	-0.07	-0.34	
NC78	NT29	11.09	DN100	-3.69862	-0.03	-0.44	
NC79	NC80	35.36	DN100	-3.91626	-0.10	-0.47	
NC79	NT24	9.36	DN100	3.49626	0.02	0.42	
NC80	NC81	17.42	DN100	-4.33626	-0.06	-0.52	
NC81	NT30	10.90	DN100	-4.75626	-0.05	-0.57	
NC82	NT25	33.75	DN100	3.92951	0.10	0.47	
NC83	NC84	42.61	DN100	0.77972	0.01	0.09	Vel.< 0.3 m/s
NC83	NT27	17.88	DN100	-1.35722	-0.01	-0.16	Vel.< 0.3 m/s
NC84	NC85	10.37	DN100	0.20222	0.00	0.02	Vel.< 0.3 m/s

NC85	NC86	35.23	DN100	-0.37528	-0.00	-0.05	Vel.< 0.3 m/s
NC86	NT28	7.25	DN100	-0.95278	-0.00	-0.11	Vel.< 0.3 m/s
NC87	NC88	18.57	DN100	1.10836	0.01	0.13	Vel.< 0.3 m/s
NC87	NT29	26.86	DN100	-1.52836	-0.01	-0.18	Vel.< 0.3 m/s
NC88	NC89	22.60	DN100	0.68836	0.00	0.08	Vel.< 0.3 m/s
NC89	NC90	13.93	DN100	0.26836	0.00	0.03	Vel.< 0.3 m/s
NC90	NT30	25.41	DN100	-0.15164	-0.00	-0.02	Vel.< 0.3 m/s
NC91	NT31	23.26	DN100	-1.12784	-0.01	-0.14	Vel.< 0.3 m/s
NC91	NT32	107.19	DN100	0.39284	0.01	0.05	Vel.< 0.3 m/s
NC92	NC93	10.54	DN100	0.56052	0.00	0.07	Vel.< 0.3 m/s
NC92	NT33	4.91	DN100	-0.57802	-0.00	-0.07	Vel.< 0.3 m/s
NC93	NC94	14.91	DN100	0.52552	0.00	0.06	Vel.< 0.3 m/s
NC94	NC95	14.90	DN100	0.49052	0.00	0.06	Vel.< 0.3 m/s
NC95	NC96	15.09	DN100	0.45552	0.00	0.05	Vel.< 0.3 m/s
NC96	NC97	15.08	DN100	0.42052	0.00	0.05	Vel.< 0.3 m/s
NC97	NC98	15.10	DN100	0.38552	0.00	0.05	Vel.< 0.3 m/s
NC98	NC99	14.99	DN100	0.35052	0.00	0.04	Vel.< 0.3 m/s
NC99	NT34	13.03	DN100	0.31552	0.00	0.04	Vel.< 0.3 m/s
NC100	NC101	10.07	DN100	1.31452	0.00	0.16	Vel.< 0.3 m/s
NC100	NT35	10.45	DN100	-1.33202	-0.00	-0.16	Vel.< 0.3 m/s
NC101	NC102	15.08	DN100	1.27952	0.01	0.15	Vel.< 0.3 m/s
NC103	NC104	15.24	DN100	1.20952	0.01	0.15	Vel.< 0.3 m/s
NC105	NC106	14.82	DN100	-1.36049	-0.01	-0.16	Vel.< 0.3 m/s
NC106	NT36	11.82	DN100	-1.39549	-0.01	-0.17	Vel.< 0.3 m/s
NC107	NC108	15.01	DN100	0.21797	0.00	0.03	Vel.< 0.3 m/s
NC107	NT37	12.94	DN100	-0.25297	-0.00	-0.03	Vel.< 0.3 m/s
NC108	NC109	15.05	DN100	0.18297	0.00	0.02	Vel.< 0.3 m/s
NC109	NC110	15.23	DN100	0.14797	0.00	0.02	Vel.< 0.3 m/s
NC110	NC111	14.90	DN100	0.11297	0.00	0.01	Vel.< 0.3 m/s
NC111	NC112	14.93	DN100	0.07797	0.00	0.01	Vel.< 0.3 m/s
NC112	NC113	14.85	DN100	0.04297	0.00	0.01	Vel.< 0.3 m/s
NC113	NC114	12.54	DN100	0.00000	0.00	0.00	Vel.< 0.3 m/s
NC114	NT38	12.09	DN100	0.00000	-0.00	0.00	Vel.< 0.3 m/s
NC115	NC116	15.06	DN100	1.57686	0.01	0.19	Vel.< 0.3 m/s
NC117	NC118	15.00	DN100	1.50686	0.01	0.18	Vel.< 0.3 m/s
NC119	NC120	15.01	DN100	1.43686	0.01	0.17	Vel.< 0.3 m/s
NC121	NC122	14.98	DN100	1.36686	0.01	0.16	Vel.< 0.3 m/s
NC123	NC124	10.11	DN100	-0.64980	-0.00	-0.08	Vel.< 0.3 m/s
NC123	NT41	10.42	DN100	0.63230	0.00	0.08	Vel.< 0.3 m/s
NC124	NC125	15.08	DN100	-0.68480	-0.00	-0.08	Vel.< 0.3 m/s
NC126	NC127	14.82	DN100	-0.75480	-0.00	-0.09	Vel.< 0.3 m/s
NC128	NC129	14.91	DN100	-0.82480	-0.00	-0.10	Vel.< 0.3 m/s
NC129	NT42	11.79	DN100	-0.85980	-0.00	-0.10	Vel.< 0.3 m/s
NC130	NC131	15.12	DN100	-0.40613	-0.00	-0.05	Vel.< 0.3 m/s
NC130	NT43	13.07	DN100	0.37113	0.00	0.04	Vel.< 0.3 m/s
NC132	NC133	14.98	DN100	-0.47613	-0.00	-0.06	Vel.< 0.3 m/s

NC134	NC135	15.00	DN100	-0.54613	-0.00	-0.07	Vel.< 0.3 m/s
NC136	NC137	13.25	DN100	-0.61613	-0.00	-0.07	Vel.< 0.3 m/s
NC137	NT44	10.07	DN100	-0.63363	-0.00	-0.08	Vel.< 0.3 m/s
NC138	NC139	14.93	DN100	-3.44644	-0.03	-0.41	
NC138	NT45	8.36	DN100	3.41144	0.02	0.41	
NC139	NC140	15.08	DN100	-3.48144	-0.04	-0.42	
NC140	NC141	15.08	DN100	-3.51644	-0.04	-0.42	
NC141	NC142	14.90	DN100	-3.55144	-0.04	-0.43	
NC142	NC143	14.89	DN100	-3.58644	-0.04	-0.43	
NC143	NC144	15.11	DN100	-3.62144	-0.04	-0.43	
NC144	NC145	15.10	DN100	-3.65644	-0.04	-0.44	
NC145	NC146	15.15	DN100	-3.69144	-0.04	-0.44	
NC146	NT46	13.00	DN100	-3.72644	-0.03	-0.45	
NC147	NC148	11.73	DN100	-1.26594	-0.00	-0.15	Vel.< 0.3 m/s
NC147	NT47	8.80	DN100	1.24844	0.00	0.15	Vel.< 0.3 m/s
NC148	NC149	15.01	DN100	-1.30094	-0.01	-0.16	Vel.< 0.3 m/s
NC149	NC150	14.96	DN100	-1.33594	-0.01	-0.16	Vel.< 0.3 m/s
NC150	NC151	15.08	DN100	-1.37094	-0.01	-0.16	Vel.< 0.3 m/s
NC151	NC152	15.11	DN100	-1.40594	-0.01	-0.17	Vel.< 0.3 m/s
NC152	NC153	14.82	DN100	-1.44094	-0.01	-0.17	Vel.< 0.3 m/s
NC153	NT48	11.83	DN100	-1.47594	-0.01	-0.18	Vel.< 0.3 m/s
NC154	NC155	12.73	DN100	0.00000	-0.00	0.00	Vel.< 0.3 m/s
NC154	NT49	7.71	DN100	0.03122	0.00	0.00	Vel.< 0.3 m/s
NC155	NC156	14.81	DN100	-0.08372	-0.00	-0.01	Vel.< 0.3 m/s
NC156	NC157	15.12	DN100	-0.11872	-0.00	-0.01	Vel.< 0.3 m/s
NC157	NC158	14.98	DN100	-0.15372	-0.00	-0.02	Vel.< 0.3 m/s
NC158	NC159	14.92	DN100	-0.18872	-0.00	-0.02	Vel.< 0.3 m/s
NC159	NC160	15.11	DN100	-0.22372	-0.00	-0.03	Vel.< 0.3 m/s
NC160	NC161	14.99	DN100	-0.25872	-0.00	-0.03	Vel.< 0.3 m/s
NC161	NT50	15.50	DN100	-0.29372	-0.00	-0.04	Vel.< 0.3 m/s
NC162	NC163	13.11	DN100	-3.21692	-0.03	-0.39	
NC162	NT51	13.79	DN100	3.19942	0.03	0.38	
NC164	NC165	15.15	DN100	-3.28692	-0.03	-0.39	
NC166	NC167	14.86	DN100	-3.35692	-0.03	-0.40	
NC168	NC169	15.00	DN100	-3.42692	-0.03	-0.41	
NC170	NC171	14.72	DN100	-3.49692	-0.04	-0.42	
NC172	NT52	11.43	DN100	7.25835	0.10	0.87	
NC172	NT60	66.00	DN100	-7.76835	-0.67	-0.93	
NC173	NC174	10.89	DN100	0.20729	0.00	0.02	Vel.< 0.3 m/s
NC173	NT53	9.66	DN100	-0.22479	-0.00	-0.03	Vel.< 0.3 m/s
NC174	NC175	15.17	DN100	0.17229	0.00	0.02	Vel.< 0.3 m/s
NC176	NC177	15.06	DN100	0.10229	0.00	0.01	Vel.< 0.3 m/s
NC178	NC179	14.94	DN100	0.03229	0.00	0.00	Vel.< 0.3 m/s
NC179	NT54	11.53	DN100	0.00000	-0.00	0.00	Vel.< 0.3 m/s
NC180	NT54	10.13	DN100	7.07366	0.09	0.85	
NC180	NT64	67.07	DN100	-7.38566	-0.62	-0.89	

NC182	NC183	11.28	DN100	0.03685	0.00	0.00	Vel.< 0.3 m/s	NC237	NC238	14.96	DN100	-4.20927	-0.05	-0.51	
NC182	NT55	9.25	DN100	-0.05435	-0.00	-0.01	Vel.< 0.3 m/s	NC237	NT67	12.82	DN100	4.17427	0.04	0.50	
NC184	NC185	14.99	DN100	-0.03315	-0.00	-0.00	Vel.< 0.3 m/s	NC238	NC239	14.97	DN100	-4.24427	-0.05	-0.51	
NC186	NC187	14.86	DN100	-0.10315	-0.00	-0.01	Vel.< 0.3 m/s	NC239	NC240	15.07	DN100	-4.27927	-0.05	-0.51	
NC188	NC189	14.99	DN100	-0.17315	-0.00	-0.02	Vel.< 0.3 m/s	NC240	NC241	14.91	DN100	-4.31427	-0.05	-0.52	
NC189	NT56	10.84	DN100	-0.20815	-0.00	-0.02	Vel.< 0.3 m/s	NC241	NC242	14.82	DN100	-4.34927	-0.05	-0.52	
NC190	NC191	29.77	DN100	-4.06890	-0.09	-0.49		NC242	NC243	15.02	DN100	-4.38427	-0.05	-0.53	
NC191	NT60	27.49	DN100	-4.10390	-0.09	-0.49		NC243	NC244	14.96	DN100	-4.41927	-0.05	-0.53	
NC192	NT61	12.22	DN100	-8.05389	-0.13	-0.97		NC244	NC245	14.96	DN100	-4.45427	-0.06	-0.53	
NC194	NC195	22.66	DN100	-6.85858	-0.18	-0.82		NC245	NC246	14.93	DN100	-4.48927	-0.06	-0.54	
NC194	NT59	34.25	DN100	6.82358	0.27	0.82		NC246	NC247	15.15	DN100	-4.52427	-0.06	-0.54	
NC195	NC196	15.01	DN100	-6.89358	-0.12	-0.83		NC247	NC248	14.68	DN100	-4.55927	-0.06	-0.55	
NC196	NC197	14.88	DN100	-6.92858	-0.12	-0.83		NC248	NT76	6.24	DN100	-4.59427	-0.02	-0.55	
NC197	NC198	15.08	DN100	-6.96358	-0.12	-0.84		NC249	NT68	21.13	DN100	3.57342	0.05	0.43	
NC199	NC262	16.69	DN100	-9.47425	-0.24	-1.14		NC253	NC254	16.59	DN100	-3.74842	-0.04	-0.45	
NC199	NT60	29.17	DN100	9.43925	0.42	1.13		NC255	NC256	16.31	DN100	-3.81842	-0.05	-0.46	
NC200	NT61	12.58	DN100	8.26766	0.14	0.99		NC257	NC258	16.39	DN100	-3.88842	-0.05	-0.47	
NC201	NC202	14.89	DN100	-8.33766	-0.17	-1.00		NC259	NC260	16.33	DN100	-3.95842	-0.05	-0.48	
NC203	NT70	0.87	DN100	-6.90288	-0.01	-0.83		NC261	NT79	7.52	DN100	-4.02842	-0.02	-0.48	
NC204	NC205	17.32	DN100	-3.17714	-0.03	-0.38		NC262	NT69	2.12	DN100	-9.50926	-0.03	-1.14	
NC204	NT62	24.58	DN100	3.14214	0.05	0.38		NC263	NT58	3.32	DN100	-0.94326	-0.00	-0.11	Vel.< 0.3 m/s
NC205	NC206	17.34	DN100	-3.21214	-0.04	-0.39		NT1	NT2	41.50	DN150	4.87196	0.03	0.26	Vel.< 0.3 m/s
NC206	NC207	17.29	DN100	-3.24714	-0.04	-0.39		NT3	NT4	27.71	DN100	4.06148	0.09	0.49	
NC207	NT71	13.38	DN100	-3.28214	-0.03	-0.39		NT5	NT6	15.71	DN100	2.11097	0.02	0.25	Vel.< 0.3 m/s
NC208	NC209	14.91	DN100	-2.86855	-0.03	-0.34		NT8	SG1	137.03	DN200	-74.42661	-3.18	-2.29	
NC208	NT63	12.76	DN100	2.83355	0.02	0.34		NT9	NT10	25.53	DN150	7.01756	0.03	0.38	
NC210	NC211	15.32	DN100	-2.93855	-0.03	-0.35		NT9	NT18	38.82	DN250	34.53718	0.07	0.68	
NC212	NC213	12.05	DN100	-3.00855	-0.02	-0.36		NT11	NT12	8.69	DN100	4.24750	0.03	0.51	
NC213	NT72	8.79	DN100	-3.02605	-0.02	-0.36		NT12	NT13	25.40	DN100	3.34804	0.06	0.40	
NC214	NC215	16.79	DN100	-3.55469	-0.04	-0.43		NT14	NT23	37.00	DN100	-2.89361	-0.06	-0.35	
NC214	NT64	22.86	DN100	3.51969	0.06	0.42		NT15	NT16	15.70	DN100	1.56571	0.01	0.19	Vel.< 0.3 m/s
NC215	NC216	17.28	DN100	-3.58969	-0.04	-0.43		NT15	NT24	40.35	DN100	-4.01355	-0.12	-0.48	
NC216	NC217	16.70	DN100	-3.62469	-0.04	-0.44		NT16	NT25	40.35	DN100	-4.18575	-0.13	-0.50	
NC217	NC218	16.85	DN100	-3.65969	-0.04	-0.44		NT17	NT26	38.84	DN100	-5.29757	-0.20	-0.64	
NC218	NC219	16.58	DN100	-3.69469	-0.04	-0.44		NT22	NT23	11.33	DN100	4.31954	0.04	0.52	
NC219	NT73	8.66	DN100	-3.71219	-0.02	-0.45		NT24	NT25	15.70	DN100	-0.35137	-0.00	-0.04	Vel.< 0.3 m/s
NC220	NT65	12.78	DN100	3.50622	0.03	0.42		NT26	NT32	22.79	DN100	-6.64018	-0.17	-0.80	
NC221	NC222	14.79	DN100	-3.57622	-0.04	-0.43		NT27	NT33	15.31	DN100	-4.85423	-0.07	-0.58	
NC223	NC224	15.10	DN100	-3.64622	-0.04	-0.44		NT27	NT97	25.95	DN150	-8.55640	-0.05	-0.46	
NC225	NC226	14.93	DN100	-3.71622	-0.04	-0.45		NT28	NT29	25.40	DN100	0.71303	0.00	0.09	Vel.< 0.3 m/s
NC227	NT74	7.89	DN100	-3.78622	-0.02	-0.45		NT28	NT34	14.40	DN100	-5.19926	-0.07	-0.62	
NC228	NC229	16.18	DN100	-4.21499	-0.05	-0.51		NT29	NT35	14.40	DN100	-4.51395	-0.05	-0.54	
NC228	NT66	13.53	DN100	4.19749	0.04	0.50		NT30	NT31	14.40	DN100	-0.09410	-0.00	-0.01	Vel.< 0.3 m/s
NC231	NC232	16.69	DN100	-4.31999	-0.06	-0.52		NT30	NT36	14.40	DN100	-4.81380	-0.06	-0.58	
NC233	NC234	16.63	DN100	-4.38999	-0.06	-0.53		NT31	NT37	14.40	DN100	-5.88646	-0.09	-0.71	
NC235	NC236	16.64	DN100	-4.45999	-0.06	-0.54		NT32	NT38	14.69	DN100	-6.24734	-0.10	-0.75	

NT34	NT40	49.00	DN100	-4.88374	-0.21	-0.59	Vel.< 0.3 m/s
NT35	NT41	49.00	DN100	-5.84596	-0.30	-0.70	
NT36	NT42	49.00	DN100	-6.20929	-0.33	-0.75	
NT40	NT41	25.40	DN100	-3.55188	-0.06	-0.43	
NT41	NT47	11.40	DN100	-8.76554	-0.14	-1.05	
NT42	NT43	14.40	DN80	-1.47408	-0.02	-0.27	
NT42	NT48	11.40	DN80	-5.59501	-0.18	-1.02	
NT43	NT49	11.40	DN100	-7.24238	-0.10	-0.87	
NT44	NT50	11.42	DN100	-6.89050	-0.09	-0.83	
NT46	NT52	49.00	DN100	-3.72644	-0.13	-0.45	
NT48	NT54	49.00	DN100	-7.07094	-0.42	-0.85	
NT57	NT58	25.07	DN150	-9.93173	-0.06	-0.54	
NT57	NT82	92.44	DN250	-35.08159	-0.18	-0.69	
NT58	NT59	34.49	DN100	-10.87498	-0.65	-1.31	
NT60	NT61	25.91	DN100	-2.43301	-0.03	-0.29	Vel.< 0.3 m/s
NT62	NT63	9.49	DN100	0.92290	0.00	0.11	Vel.< 0.3 m/s
NT64	NT65	14.53	DN80	-0.10952	-0.00	-0.02	Vel.< 0.3 m/s
NT65	NT66	49.45	DN100	-4.21081	-0.17	-0.51	Vel.< 0.3 m/s
NT66	NT67	9.42	DN100	0.00000	-0.00	0.00	
NT67	NT68	53.79	DN100	4.16095	0.18	0.50	
NT69	NT81	11.78	DN100	-16.50783	-0.48	-1.98	
NT70	NT81	13.62	DN100	-15.27552	-0.48	-1.83	
NT71	NT72	9.20	DN100	3.58573	0.02	0.43	
NT75	NT80	5.95	DN100	-11.43372	-0.12	-1.37	
NT76	NT80	5.95	DN100	-8.62269	-0.07	-1.03	
NT78	NT79	16.02	DN100	4.02842	0.05	0.48	
NT80	SG2	30.07	DN150	-20.05641	-0.25	-1.09	
NT81	SG3	38.53	DN150	-31.78334	-0.74	-1.72	
NT82	NT83	29.12	DN250	-35.08161	-0.06	-0.69	
NT83	NT84	34.65	DN250	-35.08160	-0.07	-0.69	
NT84	NT85	26.41	DN250	-35.08161	-0.05	-0.69	
NT85	NT86	185.68	DN250	-35.08158	-0.36	-0.69	
NT86	NT87	82.40	DN250	-35.08159	-0.16	-0.69	
NT87	NT89	23.72	DN250	-35.08161	-0.05	-0.69	
NT89	NT90	59.94	DN250	-35.08160	-0.12	-0.69	
NT90	NT91	88.50	DN250	-35.08159	-0.17	-0.69	
NT91	NT92	102.27	DN250	-35.08159	-0.20	-0.69	
NT92	NT93	39.08	DN250	-35.08160	-0.08	-0.69	
NT93	NT94	27.64	DN250	-35.08161	-0.05	-0.69	
NT94	SG4	16.46	DN250	-35.08161	-0.03	-0.69	

Combinaciones: H5+H6

Inicio	Final	Longitud m	Diámetros mm	Caudal l/s	Périd. m.c.a.	Velocidad m/s	Coment.
BR39	NC39	25.31	DN100	-1.76586	-0.02	-0.21	Vel.< 0.3 m/s

BR39	NC40	20.66	DN100	1.76586	0.01	0.21	Vel.< 0.3 m/s
BR48	NT21	7.01	DN100	-6.00027	-0.04	-0.72	Vel.< 0.3 m/s
BR48	NT22	18.49	DN100	6.00027	0.12	0.72	
BR52	NC59	11.31	DN100	0.53087	0.00	0.06	
BR52	NC60	9.90	DN100	-0.53087	-0.00	-0.06	
BR64	NC104	12.64	DN100	-0.74368	-0.00	-0.09	
BR64	NC105	2.50	DN100	-1.75632	-0.00	-0.21	
BR65	NC102	12.59	DN100	-0.81368	-0.00	-0.10	
BR65	NC103	2.17	DN100	0.81368	0.00	0.10	
BR88	NC127	11.50	DN100	0.13556	0.00	0.02	
BR88	NC128	3.49	DN100	-0.13556	-0.00	-0.02	
BR89	NC125	11.53	DN100	0.06556	0.00	0.01	
BR89	NC126	3.70	DN100	-0.06556	-0.00	-0.01	
BR92	NC120	7.89	DN100	-2.76832	-0.01	-0.33	
BR92	NC121	7.07	DN100	2.76832	0.01	0.33	
BR93	NC118	8.00	DN100	-2.83832	-0.01	-0.34	
BR93	NC119	7.14	DN100	2.83832	0.01	0.34	
BR99	H9	21.39	DN100	-1.46938	-0.01	-0.18	Vel.< 0.3 m/s
BR99	NT51	6.66	DN100	1.46939	0.00	0.18	Vel.< 0.3 m/s
BR107	NC181	4.70	DN100	-7.82803	-0.05	-0.94	Vel.< 0.3 m/s
BR107	NT55	6.01	DN100	7.82803	0.06	0.94	
BR115	NC169	2.77	DN100	3.24189	0.01	0.39	
BR115	NC170	12.41	DN100	-3.24188	-0.03	-0.39	
H1	NC1	9.98	DN100	7.41269	0.09	0.89	
H1	NT2	10.61	DN100	-7.41269	-0.10	-0.89	
H2	NC8	18.03	DN100	-2.16097	-0.02	-0.26	
H2	NT5	5.47	DN100	2.16097	0.01	0.26	
H3	NC13	5.44	DN100	-0.50367	-0.00	-0.06	
H3	NT7	3.12	DN100	0.50367	0.00	0.06	
H4	NC62	31.11	DN250	16.09094	0.01	0.32	
H4	NT18	7.10	DN250	-16.09095	-0.00	-0.32	
H5	N11	28.66	DN100	-11.40999	-0.59	-1.37	
H5	N12	2.54	DN100	-5.19001	-0.01	-0.62	
H6	NC77	7.27	DN100	-4.53804	-0.03	-0.54	
H6	NC78	15.27	DN100	-12.06197	-0.35	-1.45	
H7	N10	13.86	DN100	4.73196	0.06	0.57	Vel.< 0.3 m/s
H7	NT31	15.24	DN100	-4.73196	-0.06	-0.57	
H8	N23	27.84	DN100	6.91012	0.23	0.83	
H8	N24	2.91	DN100	-6.91013	-0.02	-0.83	
H9	N71	8.63	DN100	-1.46938	-0.00	-0.18	
H10	N82	6.56	DN100	8.35202	0.08	1.00	
H10	NC192	15.26	DN100	-8.35201	-0.18	-1.00	
H11	N38	25.00	DN100	8.17002	0.28	0.98	
H11	N39	5.06	DN100	-8.17003	-0.06	-0.98	
H12	NC198	7.06	DN100	6.90018	0.06	0.83	
H12	NT69	34.08	DN100	-6.90017	-0.28	-0.83	

H13	NC250	6.92	DN100	3.86755	0.02	0.46		N26	NC133	8.63	DN100	0.44051	0.00	0.05	Vel.< 0.3 m/s
H13	NC251	9.77	DN100	-3.86755	-0.03	-0.46		N26	NC134	6.43	DN100	-0.44051	-0.00	-0.05	Vel.< 0.3 m/s
H14	N53	22.21	DN100	-7.27897	-0.20	-0.87		N27	NC131	8.59	DN100	0.37051	0.00	0.04	Vel.< 0.3 m/s
H14	N58	8.16	DN100	7.27898	0.07	0.87		N27	NC132	6.40	DN100	-0.37051	-0.00	-0.04	Vel.< 0.3 m/s
N1	NC23	28.40	DN100	1.56977	0.02	0.19	Vel.< 0.3 m/s	N28	NT37	22.80	DN100	6.83697	0.18	0.82	
N1	NC24	15.62	DN100	-1.56977	-0.01	-0.19	Vel.< 0.3 m/s	N28	NT43	26.20	DN100	-6.83697	-0.21	-0.82	
N2	NC21	11.08	DN100	1.00977	0.00	0.12	Vel.< 0.3 m/s	N29	N30	26.90	DN100	-7.72432	-0.27	-0.93	
N2	NC22	24.47	DN100	-1.00977	-0.01	-0.12	Vel.< 0.3 m/s	N29	NT50	4.00	DN100	7.72433	0.04	0.93	
N3	NC33	21.20	DN100	-0.17534	-0.00	-0.02	Vel.< 0.3 m/s	N30	NT56	18.31	DN100	-7.72432	-0.18	-0.93	
N3	NC34	12.38	DN100	0.17534	0.00	0.02	Vel.< 0.3 m/s	N31	NT49	24.01	DN100	7.74918	0.24	0.93	
N4	NC35	8.76	DN100	1.15466	0.00	0.14	Vel.< 0.3 m/s	N31	NT55	25.00	DN100	-7.74918	-0.25	-0.93	
N4	NC36	18.71	DN100	-1.15466	-0.01	-0.14	Vel.< 0.3 m/s	N32	NC183	11.20	DN100	-0.02635	-0.00	-0.00	Vel.< 0.3 m/s
N5	NC37	25.14	DN100	3.86776	0.07	0.46		N32	NC184	3.84	DN100	0.00000	0.00	0.00	Vel.< 0.3 m/s
N5	NT13	6.22	DN100	-3.86777	-0.02	-0.46		N33	NC185	11.17	DN100	0.04365	0.00	0.01	Vel.< 0.3 m/s
N6	NC9	49.73	DN100	-1.96383	-0.04	-0.24	Vel.< 0.3 m/s	N33	NC186	3.89	DN100	0.00000	-0.00	0.00	Vel.< 0.3 m/s
N6	NC10	4.11	DN100	1.96383	0.00	0.24	Vel.< 0.3 m/s	N34	NC187	11.27	DN100	0.11365	0.00	0.01	Vel.< 0.3 m/s
N7	N8	30.01	DN100	-1.32617	-0.01	-0.16	Vel.< 0.3 m/s	N34	NC188	3.84	DN100	-0.11365	-0.00	-0.01	Vel.< 0.3 m/s
N7	NC13	4.29	DN100	1.32617	0.00	0.16	Vel.< 0.3 m/s	N35	N36	29.97	DN100	-7.90798	-0.31	-0.95	
N8	NC14	3.43	DN100	-1.32617	-0.00	-0.16	Vel.< 0.3 m/s	N35	NT56	11.57	DN100	7.90798	0.12	0.95	
N9	NC16	9.67	DN100	3.79367	0.03	0.46		N36	NC193	24.37	DN100	-7.90798	-0.25	-0.95	
N9	NT17	9.23	DN100	-3.79367	-0.03	-0.46		N37	NC193	5.64	DN100	8.24998	0.06	0.99	
N10	NC82	3.91	DN100	4.73196	0.02	0.57		N37	NT68	6.64	DN100	-8.24998	-0.07	-0.99	
N11	NC71	1.66	DN100	-11.41001	-0.03	-1.37		N38	NC181	25.31	DN100	8.17002	0.28	0.98	
N12	NC70	28.65	DN100	-5.19001	-0.14	-0.62		N39	NT65	11.16	DN100	-8.17003	-0.12	-0.98	
N13	NC69	9.68	DN100	-5.76751	-0.06	-0.69		N40	NC249	4.28	DN100	3.83255	0.01	0.46	
N13	NC70	1.36	DN100	5.76751	0.01	0.69		N40	NC250	12.31	DN100	-3.83255	-0.03	-0.46	
N14	N15	30.01	DN100	-6.34501	-0.21	-0.76		N41	NC251	1.65	DN100	3.90255	0.00	0.47	
N14	NC69	20.34	DN100	6.34501	0.14	0.76		N41	NC252	14.84	DN100	-3.90255	-0.04	-0.47	
N15	NC68	19.49	DN100	-6.34501	-0.14	-0.76		N42	NC252	14.62	DN100	3.93755	0.04	0.47	
N16	NT20	13.46	DN100	-4.37358	-0.05	-0.52		N42	NC253	1.62	DN100	-3.93755	-0.00	-0.47	
N16	NT21	26.25	DN100	4.37358	0.09	0.52		N43	NC254	11.88	DN100	4.00755	0.04	0.48	
N17	NT18	4.50	DN100	-13.60609	-0.13	-1.63		N43	NC255	4.37	DN100	-4.00755	-0.01	-0.48	
N17	NT19	20.61	DN150	13.60609	0.08	0.74		N44	NC256	9.37	DN100	4.07755	0.03	0.49	
N18	N19	30.00	DN100	-4.94611	-0.13	-0.59		N44	NC257	6.85	DN100	-4.07755	-0.02	-0.49	
N18	NT33	1.22	DN100	4.94611	0.01	0.59		N45	NC258	6.77	DN100	4.14755	0.02	0.50	
N19	NT39	21.29	DN100	-4.94611	-0.09	-0.59		N45	NC259	9.53	DN100	-4.14755	-0.03	-0.50	
N20	NC115	7.00	DN100	2.97833	0.01	0.36		N46	NC260	4.16	DN100	4.21755	0.01	0.51	
N20	NT39	12.08	DN100	-2.97832	-0.02	-0.36		N46	NC261	20.56	DN100	-4.21755	-0.07	-0.51	
N21	NC116	7.97	DN100	-2.90832	-0.01	-0.35		N47	NT76	9.30	DN100	-4.25255	-0.03	-0.51	
N21	NC117	7.11	DN100	2.90832	0.01	0.35		N47	NT78	34.62	DN100	4.25255	0.12	0.51	
N22	NC122	7.96	DN100	-2.69832	-0.01	-0.32		N48	NC229	1.91	DN100	4.49128	0.01	0.54	
N22	NT40	5.05	DN100	2.69833	0.01	0.32		N48	NC230	14.38	DN100	-4.49128	-0.05	-0.54	
N23	NT38	4.65	DN100	6.91012	0.04	0.83		N49	NC230	14.58	DN100	4.52628	0.06	0.54	
N24	NT44	13.63	DN100	-6.91012	-0.11	-0.83		N49	NC231	2.43	DN100	-4.52628	-0.01	-0.54	
N25	NC135	8.58	DN100	0.51051	0.00	0.06	Vel.< 0.3 m/s	N50	NC232	11.20	DN100	4.59628	0.04	0.55	
N25	NC136	6.36	DN100	-0.51051	-0.00	-0.06	Vel.< 0.3 m/s	N50	NC233	5.43	DN100	-4.59628	-0.02	-0.55	

N51	NC234	7.91	DN100	4.66628	0.03	0.56		N77	NC167	2.95	DN100	3.17189	0.01	0.38	
N51	NC235	8.78	DN100	-4.66628	-0.04	-0.56		N77	NC168	12.23	DN100	-3.17188	-0.02	-0.38	
N52	NC236	4.59	DN100	4.73628	0.02	0.57		N78	NC171	2.95	DN100	3.31189	0.01	0.40	
N52	NT75	20.73	DN100	-4.73628	-0.09	-0.57		N78	NT52	10.07	DN100	-3.31189	-0.02	-0.40	
N53	NT75	9.20	DN100	-7.27898	-0.08	-0.87		N79	N80	26.94	DN100	-8.03672	-0.29	-0.96	
N54	NC220	6.39	DN100	3.75467	0.02	0.45		N79	NT47	5.52	DN100	8.03672	0.06	0.96	
N54	NC221	8.67	DN100	-3.75467	-0.02	-0.45		N80	NT53	16.54	DN100	-8.03672	-0.18	-0.96	
N55	NC222	6.58	DN100	3.82467	0.02	0.46		N81	N82	30.00	DN100	-8.35201	-0.35	-1.00	
N55	NC223	8.41	DN100	-3.82467	-0.02	-0.46		N81	NT53	13.46	DN100	8.35201	0.16	1.00	
N56	NC224	6.55	DN100	3.89467	0.02	0.47		N83	NC177	6.22	DN100	-0.15779	-0.00	-0.02	Vel.< 0.3 m/s
N56	NC225	8.35	DN100	-3.89467	-0.02	-0.47		N83	NC178	8.76	DN100	0.15779	0.00	0.02	Vel.< 0.3 m/s
N57	NC226	6.86	DN100	3.96467	0.02	0.48		N84	NC175	6.37	DN100	-0.22779	-0.00	-0.03	Vel.< 0.3 m/s
N57	NC227	8.07	DN100	-3.96467	-0.02	-0.48		N84	NC176	8.73	DN100	0.22779	0.00	0.03	Vel.< 0.3 m/s
N58	NT74	15.12	DN100	7.27897	0.14	0.87		N85	NC19	21.43	DN250	-6.68292	-0.00	-0.13	Vel.< 0.3 m/s
N59	NT73	1.43	DN100	3.27931	0.00	0.39		N85	NT1	6.90	DN250	6.68292	0.00	0.13	Vel.< 0.3 m/s
N59	NT74	13.44	DN100	-3.27931	-0.03	-0.39		N86	NC11	16.46	DN100	-0.31883	-0.00	-0.04	Vel.< 0.3 m/s
N60	NC211	5.54	DN100	3.04862	0.01	0.37		N86	NC12	43.73	DN100	0.31883	0.00	0.04	Vel.< 0.3 m/s
N60	NC212	9.39	DN100	-3.04862	-0.02	-0.37		NC1	NC2	6.20	DN100	7.13269	0.05	0.86	
N61	NT72	20.58	DN100	-0.64932	-0.00	-0.08	Vel.< 0.3 m/s	NC2	NC3	20.17	DN100	6.85269	0.16	0.82	
N61	NT73	28.62	DN100	0.64932	0.00	0.08	Vel.< 0.3 m/s	NC3	NC4	10.34	DN100	6.57269	0.08	0.79	
N62	NC209	5.13	DN100	2.97862	0.01	0.36		NC4	NT3	8.89	DN100	6.29269	0.06	0.76	
N62	NC210	9.54	DN100	-2.97862	-0.02	-0.36		NC5	NC6	19.26	DN100	4.15597	0.06	0.50	
N63	N64	30.01	DN100	4.14562	0.10	0.50		NC5	NT4	15.87	DN100	-4.82097	-0.07	-0.58	
N63	NT63	14.40	DN100	-4.14562	-0.05	-0.50		NC6	NC7	32.83	DN100	3.49097	0.08	0.42	
N64	NT64	5.16	DN100	4.14562	0.02	0.50		NC7	NC8	25.40	DN100	2.82597	0.04	0.34	
N65	NC203	26.65	DN100	-7.10991	-0.23	-0.85		NC9	NT6	10.76	DN100	-2.78633	-0.02	-0.33	
N65	NT71	24.96	DN100	7.10991	0.21	0.85		NC10	NC11	9.44	DN100	1.14133	0.00	0.14	Vel.< 0.3 m/s
N66	NT61	31.89	DN100	1.98247	0.03	0.24	Vel.< 0.3 m/s	NC12	NT7	6.17	DN100	-0.50367	-0.00	-0.06	Vel.< 0.3 m/s
N66	NT62	18.12	DN100	-1.98247	-0.02	-0.24	Vel.< 0.3 m/s	NC14	NC15	8.39	DN100	-2.14867	-0.01	-0.26	Vel.< 0.3 m/s
N67	NC200	13.49	DN100	8.47983	0.16	1.02		NC15	NC16	38.52	DN100	-2.97117	-0.07	-0.36	
N67	NC201	1.64	DN100	-8.47984	-0.02	-1.02		NC17	NC18	37.56	DN200	66.52575	0.71	2.04	
N68	NC202	13.51	DN100	8.54983	0.16	1.03		NC17	NT8	24.61	DN200	-73.52576	-0.56	-2.26	Vel.máx.
N68	NT70	1.58	DN100	-8.54984	-0.02	-1.03		NC18	NT9	33.27	DN200	59.52576	0.51	1.83	
N69	N70	28.09	DN100	3.75728	0.08	0.45		NC19	NC20	63.32	DN250	-13.68293	-0.02	-0.27	Vel.< 0.3 m/s
N69	NC190	58.73	DN100	-3.75728	-0.16	-0.45		NC20	NT9	27.10	DN250	-20.68294	-0.02	-0.41	
N70	NT59	7.59	DN100	3.75729	0.02	0.45		NC21	NT2	13.61	DN100	0.72977	0.00	0.09	Vel.< 0.3 m/s
N71	N72	30.00	DN100	-1.46938	-0.02	-0.18	Vel.< 0.3 m/s	NC22	NC23	5.80	DN100	-1.28977	-0.00	-0.15	Vel.< 0.3 m/s
N72	NC263	2.39	DN100	-1.46939	-0.00	-0.18	Vel.< 0.3 m/s	NC24	NT10	3.68	DN100	-1.84977	-0.00	-0.22	Vel.< 0.3 m/s
N73	NT45	26.53	DN100	4.44877	0.10	0.53		NC25	NC26	32.29	DN100	7.01604	0.27	0.84	
N73	NT51	23.37	DN100	-4.44877	-0.09	-0.53		NC25	NT10	3.97	DN100	-7.29605	-0.04	-0.88	
N74	NT39	8.73	DN100	7.92443	0.09	0.95		NC26	NC27	5.43	DN100	6.73605	0.04	0.81	
N74	NT45	3.49	DN100	-7.92443	-0.04	-0.95		NC27	NC28	19.92	DN100	6.45605	0.14	0.77	
N75	NC163	2.74	DN100	3.03189	0.01	0.36		NC28	NT11	5.69	DN100	6.17605	0.04	0.74	
N75	NC164	12.08	DN100	-3.03188	-0.02	-0.36		NC29	NC30	39.03	DN100	0.35138	0.00	0.04	Vel.< 0.3 m/s
N76	NC165	2.78	DN100	3.10189	0.01	0.37		NC29	NT3	8.30	DN100	-0.63138	-0.00	-0.08	Vel.< 0.3 m/s
N76	NC166	12.20	DN100	-3.10188	-0.02	-0.37		NC30	NC31	9.30	DN100	0.07138	0.00	0.01	Vel.< 0.3 m/s

NC31	NC32	34.11	DN100	-0.20862	-0.00	-0.03	Vel.< 0.3 m/s
NC32	NT12	9.59	DN100	-0.48862	-0.00	-0.06	Vel.< 0.3 m/s
NC33	NT4	14.20	DN100	-0.84034	-0.00	-0.10	Vel.< 0.3 m/s
NC34	NC35	8.91	DN100	-0.48966	-0.00	-0.06	Vel.< 0.3 m/s
NC36	NT13	5.11	DN100	-1.81966	-0.00	-0.22	Vel.< 0.3 m/s
NC37	NT14	7.31	DN100	3.20276	0.01	0.38	
NC38	NC39	6.39	DN100	2.43086	0.01	0.29	Vel.< 0.3 m/s
NC38	NT14	28.10	DN100	-3.09586	-0.05	-0.37	
NC40	NT15	8.98	DN100	1.10086	0.00	0.13	Vel.< 0.3 m/s
NC41	NC42	40.07	DN100	-1.06256	-0.01	-0.13	Vel.< 0.3 m/s
NC41	NT5	8.82	DN100	0.39756	0.00	0.05	Vel.< 0.3 m/s
NC42	NC43	8.40	DN100	-1.72756	-0.01	-0.21	Vel.< 0.3 m/s
NC43	NC44	38.81	DN100	-2.39256	-0.05	-0.29	Vel.< 0.3 m/s
NC44	NT15	9.18	DN100	-3.05757	-0.02	-0.37	
NC45	NC46	39.50	DN100	-1.05030	-0.01	-0.13	Vel.< 0.3 m/s
NC45	NT6	11.19	DN100	0.22780	0.00	0.03	Vel.< 0.3 m/s
NC46	NC47	7.20	DN100	-1.87280	-0.01	-0.22	Vel.< 0.3 m/s
NC47	NC48	40.77	DN100	-2.69530	-0.06	-0.32	
NC48	NT16	6.61	DN100	-3.51780	-0.02	-0.42	
NC49	NC50	50.40	DN100	1.08409	0.02	0.13	Vel.< 0.3 m/s
NC49	NT16	9.65	DN100	-1.90659	-0.01	-0.23	Vel.< 0.3 m/s
NC50	NC51	17.19	DN100	0.26159	0.00	0.03	Vel.< 0.3 m/s
NC51	NC52	45.91	DN100	-0.56091	-0.00	-0.07	Vel.< 0.3 m/s
NC52	NT17	6.56	DN100	-1.38341	-0.00	-0.17	Vel.< 0.3 m/s
NC53	NC54	24.62	DN100	6.10608	0.16	0.73	
NC53	NT19	5.16	DN100	-6.68358	-0.04	-0.80	
NC54	NC55	3.62	DN100	5.52858	0.02	0.66	
NC55	NC56	21.34	DN100	4.95108	0.10	0.59	
NC56	NT20	1.26	DN100	4.37358	0.00	0.52	
NC57	NC72	31.20	DN100	-2.20420	-0.03	-0.26	Vel.< 0.3 m/s
NC57	NT21	1.09	DN100	1.62670	0.00	0.20	Vel.< 0.3 m/s
NC58	NC59	51.60	DN100	-0.11087	-0.00	-0.01	Vel.< 0.3 m/s
NC58	NT23	27.48	DN100	-0.30913	-0.00	-0.04	Vel.< 0.3 m/s
NC60	NT24	5.22	DN100	-0.95087	-0.00	-0.11	Vel.< 0.3 m/s
NC61	NT25	28.29	DN100	0.80054	0.01	0.10	Vel.< 0.3 m/s
NC61	NT26	97.13	DN100	-1.53554	-0.05	-0.18	Vel.< 0.3 m/s
NC62	NC63	80.65	DN250	6.09092	0.01	0.12	Vel.< 0.3 m/s
NC63	NC64	49.85	DN250	-3.90909	-0.00	-0.08	Vel.< 0.3 m/s
NC64	NT97	9.70	DN250	-13.90910	-0.00	-0.27	Vel.< 0.3 m/s
NC65	NC66	89.95	DN250	-35.74891	-0.18	-0.71	
NC65	NT97	42.30	DN250	28.74892	0.06	0.57	
NC66	NC67	19.78	DN250	-42.74894	-0.06	-0.84	
NC67	NT57	47.42	DN250	-42.89892	-0.13	-0.85	
NC68	NT19	13.65	DN100	-6.92251	-0.11	-0.83	
NC71	NT27	11.88	DN100	-11.98750	-0.27	-1.44	
NC72	NC73	14.24	DN100	-2.78170	-0.02	-0.33	

NC73	NC74	52.76	DN100	-3.35920	-0.12	-0.40	
NC74	NT28	11.65	DN100	-3.93670	-0.03	-0.47	
NC75	NC76	24.83	DN100	5.37804	0.13	0.65	
NC75	NT22	10.93	DN100	-5.79804	-0.06	-0.70	
NC76	NC77	41.44	DN100	4.95804	0.19	0.60	
NC78	NT29	11.09	DN100	-12.48197	-0.27	-1.50	
NC79	NC80	35.36	DN100	-3.95446	-0.11	-0.47	
NC79	NT24	9.36	DN100	3.53446	0.02	0.42	
NC80	NC81	17.42	DN100	-4.37446	-0.06	-0.53	
NC81	NT30	10.90	DN100	-4.79446	-0.05	-0.58	
NC82	NT25	33.75	DN100	3.99696	0.10	0.48	
NC83	NC84	42.61	DN100	4.22502	0.14	0.51	
NC83	NT27	17.88	DN100	-4.80252	-0.08	-0.58	
NC84	NC85	10.37	DN100	3.64752	0.03	0.44	
NC85	NC86	35.23	DN100	3.07002	0.07	0.37	
NC86	NT28	7.25	DN100	2.49252	0.01	0.30	Vel.< 0.3 m/s
NC87	NC88	18.57	DN100	-0.55466	-0.00	-0.07	Vel.< 0.3 m/s
NC87	NT29	26.86	DN100	0.13466	0.00	0.02	Vel.< 0.3 m/s
NC88	NC89	22.60	DN100	-0.97466	-0.01	-0.12	Vel.< 0.3 m/s
NC89	NC90	13.93	DN100	-1.39466	-0.01	-0.17	Vel.< 0.3 m/s
NC90	NT30	25.41	DN100	-1.81466	-0.02	-0.22	Vel.< 0.3 m/s
NC91	NT31	23.26	DN100	-0.69111	-0.00	-0.08	Vel.< 0.3 m/s
NC91	NT32	107.19	DN100	-0.04389	-0.00	-0.01	Vel.< 0.3 m/s
NC92	NC93	10.54	DN100	2.97843	0.02	0.36	
NC92	NT33	4.91	DN100	-2.99593	-0.01	-0.36	
NC93	NC94	14.91	DN100	2.94343	0.03	0.35	
NC94	NC95	14.90	DN100	2.90843	0.03	0.35	
NC95	NC96	15.09	DN100	2.87343	0.03	0.34	
NC96	NC97	15.08	DN100	2.83843	0.02	0.34	
NC97	NC98	15.10	DN100	2.80343	0.02	0.34	
NC98	NC99	14.99	DN100	2.76843	0.02	0.33	
NC99	NT34	13.03	DN100	2.73343	0.02	0.33	
NC100	NC101	10.07	DN100	0.88368	0.00	0.11	Vel.< 0.3 m/s
NC100	NT35	10.45	DN100	-0.90118	-0.00	-0.11	Vel.< 0.3 m/s
NC101	NC102	15.08	DN100	0.84868	0.00	0.10	Vel.< 0.3 m/s
NC103	NC104	15.24	DN100	0.77868	0.00	0.09	Vel.< 0.3 m/s
NC105	NC106	14.82	DN100	-1.79132	-0.01	-0.21	Vel.< 0.3 m/s
NC106	NT36	11.82	DN100	-1.82632	-0.01	-0.22	Vel.< 0.3 m/s
NC107	NC108	15.01	DN100	0.07389	0.00	0.01	Vel.< 0.3 m/s
NC107	NT37	12.94	DN100	-0.10889	-0.00	-0.01	Vel.< 0.3 m/s
NC108	NC109	15.05	DN100	0.03889	0.00	0.00	Vel.< 0.3 m/s
NC109	NC110	15.23	DN100	0.00000	0.00	0.00	Vel.< 0.3 m/s
NC110	NC111	14.90	DN100	-0.03111	-0.00	-0.00	Vel.< 0.3 m/s
NC111	NC112	14.93	DN100	-0.06611	-0.00	-0.01	Vel.< 0.3 m/s
NC112	NC113	14.85	DN100	-0.10111	-0.00	-0.01	Vel.< 0.3 m/s
NC113	NC114	12.54	DN100	-0.13611	-0.00	-0.02	Vel.< 0.3 m/s

NC114	NT38	12.09	DN100	-0.15361	-0.00	-0.02	Vel.< 0.3 m/s
NC115	NC116	15.06	DN100	2.94332	0.03	0.35	
NC117	NC118	15.00	DN100	2.87332	0.03	0.34	
NC119	NC120	15.01	DN100	2.80332	0.02	0.34	
NC121	NC122	14.98	DN100	2.73332	0.02	0.33	
NC123	NC124	10.11	DN100	0.00000	0.00	0.00	Vel.< 0.3 m/s
NC123	NT41	10.42	DN100	-0.02194	-0.00	-0.00	Vel.< 0.3 m/s
NC124	NC125	15.08	DN100	-0.03056	-0.00	-0.00	Vel.< 0.3 m/s
NC126	NC127	14.82	DN100	-0.10056	-0.00	-0.01	Vel.< 0.3 m/s
NC128	NC129	14.91	DN100	-0.17056	-0.00	-0.02	Vel.< 0.3 m/s
NC129	NT42	11.79	DN100	-0.20556	-0.00	-0.02	Vel.< 0.3 m/s
NC130	NC131	15.12	DN100	-0.33551	-0.00	-0.04	Vel.< 0.3 m/s
NC130	NT43	13.07	DN100	0.30051	0.00	0.04	Vel.< 0.3 m/s
NC132	NC133	14.98	DN100	-0.40551	-0.00	-0.05	Vel.< 0.3 m/s
NC134	NC135	15.00	DN100	-0.47551	-0.00	-0.06	Vel.< 0.3 m/s
NC136	NC137	13.25	DN100	-0.54551	-0.00	-0.07	Vel.< 0.3 m/s
NC137	NT44	10.07	DN100	-0.56301	-0.00	-0.07	Vel.< 0.3 m/s
NC138	NC139	14.93	DN100	-3.51066	-0.04	-0.42	
NC138	NT45	8.36	DN100	3.47566	0.02	0.42	
NC139	NC140	15.08	DN100	-3.54566	-0.04	-0.43	
NC140	NC141	15.08	DN100	-3.58066	-0.04	-0.43	
NC141	NC142	14.90	DN100	-3.61566	-0.04	-0.43	
NC142	NC143	14.89	DN100	-3.65066	-0.04	-0.44	
NC143	NC144	15.11	DN100	-3.68566	-0.04	-0.44	
NC144	NC145	15.10	DN100	-3.72066	-0.04	-0.45	
NC145	NC146	15.15	DN100	-3.75566	-0.04	-0.45	
NC146	NT46	13.00	DN100	-3.79066	-0.04	-0.45	
NC147	NC148	11.73	DN100	-1.26364	-0.00	-0.15	Vel.< 0.3 m/s
NC147	NT47	8.80	DN100	1.24614	0.00	0.15	Vel.< 0.3 m/s
NC148	NC149	15.01	DN100	-1.29864	-0.01	-0.16	Vel.< 0.3 m/s
NC149	NC150	14.96	DN100	-1.33364	-0.01	-0.16	Vel.< 0.3 m/s
NC150	NC151	15.08	DN100	-1.36864	-0.01	-0.16	Vel.< 0.3 m/s
NC151	NC152	15.11	DN100	-1.40364	-0.01	-0.17	Vel.< 0.3 m/s
NC152	NC153	14.82	DN100	-1.43864	-0.01	-0.17	Vel.< 0.3 m/s
NC153	NT48	11.83	DN100	-1.47364	-0.01	-0.18	Vel.< 0.3 m/s
NC154	NC155	12.73	DN100	0.00000	-0.00	0.00	Vel.< 0.3 m/s
NC154	NT49	7.71	DN100	0.00000	-0.00	0.00	Vel.< 0.3 m/s
NC155	NC156	14.81	DN100	-0.04120	-0.00	-0.00	Vel.< 0.3 m/s
NC156	NC157	15.12	DN100	-0.07620	-0.00	-0.01	Vel.< 0.3 m/s
NC157	NC158	14.98	DN100	-0.11120	-0.00	-0.01	Vel.< 0.3 m/s
NC158	NC159	14.92	DN100	-0.14620	-0.00	-0.02	Vel.< 0.3 m/s
NC159	NC160	15.11	DN100	-0.18120	-0.00	-0.02	Vel.< 0.3 m/s
NC160	NC161	14.99	DN100	-0.21620	-0.00	-0.03	Vel.< 0.3 m/s
NC161	NT50	15.50	DN100	-0.25120	-0.00	-0.03	Vel.< 0.3 m/s
NC162	NC163	13.11	DN100	-2.99688	-0.02	-0.36	
NC162	NT51	13.79	DN100	2.97938	0.02	0.36	

NC164	NC165	15.15	DN100	-3.06688	-0.03	-0.37	
NC166	NC167	14.86	DN100	-3.13688	-0.03	-0.38	
NC168	NC169	15.00	DN100	-3.20688	-0.03	-0.38	
NC170	NC171	14.72	DN100	-3.27688	-0.03	-0.39	
NC172	NT52	11.43	DN100	7.10255	0.10	0.85	
NC172	NT60	66.00	DN100	-7.61254	-0.64	-0.91	
NC173	NC174	10.89	DN100	0.29779	0.00	0.04	Vel.< 0.3 m/s
NC173	NT53	9.66	DN100	-0.31529	-0.00	-0.04	Vel.< 0.3 m/s
NC174	NC175	15.17	DN100	0.26279	0.00	0.03	Vel.< 0.3 m/s
NC176	NC177	15.06	DN100	0.19279	0.00	0.02	Vel.< 0.3 m/s
NC178	NC179	14.94	DN100	0.12279	0.00	0.01	Vel.< 0.3 m/s
NC179	NT54	11.53	DN100	0.08779	0.00	0.01	Vel.< 0.3 m/s
NC180	NT54	10.13	DN100	7.52043	0.10	0.90	
NC180	NT64	67.07	DN100	-7.83242	-0.69	-0.94	
NC182	NC183	11.28	DN100	0.06135	0.00	0.01	Vel.< 0.3 m/s
NC182	NT55	9.25	DN100	0.00000	-0.00	0.00	Vel.< 0.3 m/s
NC184	NC185	14.99	DN100	0.00000	-0.00	0.00	Vel.< 0.3 m/s
NC186	NC187	14.86	DN100	-0.07865	-0.00	-0.01	Vel.< 0.3 m/s
NC188	NC189	14.99	DN100	-0.14865	-0.00	-0.02	Vel.< 0.3 m/s
NC189	NT56	10.84	DN100	-0.18365	-0.00	-0.02	Vel.< 0.3 m/s
NC190	NC191	29.77	DN100	-3.77478	-0.08	-0.45	
NC191	NT60	27.49	DN100	-3.80978	-0.08	-0.46	
NC192	NT61	12.22	DN100	-8.66401	-0.15	-1.04	
NC194	NC195	22.66	DN100	-6.76017	-0.18	-0.81	
NC194	NT59	34.25	DN100	6.72517	0.27	0.81	
NC195	NC196	15.01	DN100	-6.79517	-0.12	-0.82	
NC196	NC197	14.88	DN100	-6.83017	-0.12	-0.82	
NC197	NC198	15.08	DN100	-6.86517	-0.12	-0.82	
NC199	NC262	16.69	DN100	-9.69404	-0.25	-1.16	
NC199	NT60	29.17	DN100	9.65904	0.44	1.16	
NC200	NT61	12.58	DN100	8.44483	0.15	1.01	
NC201	NC202	14.89	DN100	-8.51483	-0.18	-1.02	
NC203	NT70	0.87	DN100	-7.14492	-0.01	-0.86	
NC204	NC205	17.32	DN100	-3.25447	-0.04	-0.39	
NC204	NT62	24.58	DN100	3.21947	0.05	0.39	
NC205	NC206	17.34	DN100	-3.28947	-0.04	-0.39	
NC206	NC207	17.29	DN100	-3.32447	-0.04	-0.40	
NC207	NT71	13.38	DN100	-3.35948	-0.03	-0.40	
NC208	NC209	14.91	DN100	-2.94362	-0.03	-0.35	
NC208	NT63	12.76	DN100	2.90862	0.02	0.35	
NC210	NC211	15.32	DN100	-3.01362	-0.03	-0.36	
NC212	NC213	12.05	DN100	-3.08362	-0.02	-0.37	
NC213	NT72	8.79	DN100	-3.10112	-0.02	-0.37	
NC214	NC215	16.79	DN100	-3.77113	-0.05	-0.45	
NC214	NT64	22.86	DN100	3.73613	0.06	0.45	
NC215	NC216	17.28	DN100	-3.80613	-0.05	-0.46	

NC216	NC217	16.70	DN100	-3.84113	-0.05	-0.46		NT16	NT25	40.35	DN100	-3.81994	-0.11	-0.46	
NC217	NC218	16.85	DN100	-3.87613	-0.05	-0.47		NT17	NT26	38.84	DN100	-5.17708	-0.19	-0.62	
NC218	NC219	16.58	DN100	-3.91113	-0.05	-0.47		NT22	NT23	11.33	DN100	0.20224	0.00	0.02	Vel.< 0.3 m/s
NC219	NT73	8.66	DN100	-3.92863	-0.03	-0.47		NT24	NT25	15.70	DN100	-0.97756	-0.00	-0.12	Vel.< 0.3 m/s
NC220	NT65	12.78	DN100	3.71967	0.03	0.45		NT26	NT32	22.79	DN100	-6.71262	-0.18	-0.81	
NC221	NC222	14.79	DN100	-3.78967	-0.04	-0.45		NT27	NT33	15.31	DN100	-1.95018	-0.01	-0.23	Vel.< 0.3 m/s
NC223	NC224	15.10	DN100	-3.85967	-0.04	-0.46		NT27	NT97	25.95	DN150	-14.83984	-0.12	-0.80	
NC225	NC226	14.93	DN100	-3.92967	-0.04	-0.47		NT28	NT29	25.40	DN100	6.06083	0.16	0.73	
NC227	NT74	7.89	DN100	-3.99967	-0.02	-0.48		NT28	NT34	14.40	DN100	-7.50502	-0.14	-0.90	
NC228	NC229	16.18	DN100	-4.45628	-0.06	-0.53		NT29	NT35	14.40	DN100	-6.28648	-0.10	-0.75	
NC228	NT66	13.53	DN100	4.43878	0.05	0.53		NT30	NT31	14.40	DN100	-1.30501	-0.01	-0.16	Vel.< 0.3 m/s
NC231	NC232	16.69	DN100	-4.56128	-0.06	-0.55		NT30	NT36	14.40	DN100	-5.30410	-0.07	-0.64	
NC233	NC234	16.63	DN100	-4.63128	-0.07	-0.56		NT31	NT37	14.40	DN100	-6.72808	-0.11	-0.81	
NC235	NC236	16.64	DN100	-4.70128	-0.07	-0.56		NT32	NT38	14.69	DN100	-6.75652	-0.12	-0.81	
NC237	NC238	14.96	DN100	-4.44969	-0.06	-0.53		NT34	NT40	49.00	DN100	-4.77159	-0.20	-0.57	
NC237	NT67	12.82	DN100	4.41469	0.05	0.53		NT35	NT41	49.00	DN100	-7.18766	-0.43	-0.86	
NC238	NC239	14.97	DN100	-4.48469	-0.06	-0.54		NT36	NT42	49.00	DN100	-7.13042	-0.42	-0.86	
NC239	NC240	15.07	DN100	-4.51969	-0.06	-0.54		NT40	NT41	25.40	DN100	-2.07327	-0.02	-0.25	Vel.< 0.3 m/s
NC240	NC241	14.91	DN100	-4.55469	-0.06	-0.55		NT41	NT47	11.40	DN100	-9.28286	-0.16	-1.11	
NC241	NC242	14.82	DN100	-4.58969	-0.06	-0.55		NT42	NT43	14.40	DN80	-1.20141	-0.01	-0.22	Vel.< 0.3 m/s
NC242	NC243	15.02	DN100	-4.62469	-0.06	-0.56		NT42	NT48	11.40	DN80	-6.13458	-0.21	-1.12	
NC243	NC244	14.96	DN100	-4.65969	-0.06	-0.56		NT43	NT49	11.40	DN100	-7.73788	-0.11	-0.93	
NC244	NC245	14.96	DN100	-4.69469	-0.06	-0.56		NT44	NT50	11.42	DN100	-7.47313	-0.11	-0.90	
NC245	NC246	14.93	DN100	-4.72969	-0.06	-0.57		NT46	NT52	49.00	DN100	-3.79066	-0.14	-0.45	
NC246	NC247	15.15	DN100	-4.76469	-0.06	-0.57		NT48	NT54	49.00	DN100	-7.60822	-0.48	-0.91	
NC247	NC248	14.68	DN100	-4.79969	-0.06	-0.58		NT57	NT58	25.07	DN150	-8.50308	-0.04	-0.46	
NC248	NT76	6.24	DN100	-4.83470	-0.03	-0.58		NT57	NT82	92.44	DN250	-34.39584	-0.18	-0.68	
NC249	NT68	21.13	DN100	3.79755	0.06	0.46		NT58	NT59	34.49	DN100	-10.48245	-0.60	-1.26	
NC253	NC254	16.59	DN100	-3.97255	-0.05	-0.48		NT60	NT61	25.91	DN100	-1.76329	-0.02	-0.21	Vel.< 0.3 m/s
NC255	NC256	16.31	DN100	-4.04255	-0.05	-0.49		NT62	NT63	9.49	DN100	1.23700	0.00	0.15	Vel.< 0.3 m/s
NC257	NC258	16.39	DN100	-4.11255	-0.05	-0.49		NT64	NT65	14.53	DN80	0.04932	0.00	0.01	Vel.< 0.3 m/s
NC259	NC260	16.33	DN100	-4.18255	-0.05	-0.50		NT65	NT66	49.45	DN100	-4.40104	-0.18	-0.53	
NC261	NT79	7.52	DN100	-4.25255	-0.03	-0.51		NT66	NT67	9.42	DN100	0.03774	0.00	0.00	Vel.< 0.3 m/s
NC262	NT69	2.12	DN100	-9.72905	-0.03	-1.17		NT67	NT68	53.79	DN100	4.45243	0.20	0.53	
NC263	NT58	3.32	DN100	-1.97939	-0.00	-0.24	Vel.< 0.3 m/s	NT69	NT81	11.78	DN100	-16.62921	-0.48	-2.00	
NT1	NT2	41.50	DN150	6.68292	0.05	0.36		NT70	NT81	13.62	DN100	-15.69473	-0.50	-1.88	
NT3	NT4	27.71	DN100	5.66131	0.16	0.68		NT71	NT72	9.20	DN100	3.75044	0.02	0.45	
NT5	NT6	15.71	DN100	2.55853	0.02	0.31		NT75	NT80	5.95	DN100	-12.01525	-0.13	-1.44	
NT8	SG1	137.03	DN200	-73.52569	-3.11	-2.26		NT76	NT80	5.95	DN100	-9.08724	-0.08	-1.09	
NT9	NT10	25.53	DN150	9.14582	0.05	0.49		NT78	NT79	16.02	DN100	4.25255	0.05	0.51	
NT9	NT18	38.82	DN250	29.69703	0.06	0.59		NT80	SG2	30.07	DN150	-21.10249	-0.27	-1.14	
NT11	NT12	8.69	DN100	6.17605	0.06	0.74		NT81	SG3	38.53	DN150	-32.32394	-0.76	-1.75	
NT12	NT13	25.40	DN100	5.68743	0.15	0.68		NT82	NT83	29.12	DN250	-34.39586	-0.06	-0.68	
NT14	NT23	37.00	DN100	0.10690	0.00	0.01	Vel.< 0.3 m/s	NT83	NT84	34.65	DN250	-34.39585	-0.07	-0.68	
NT15	NT16	15.70	DN100	1.60445	0.01	0.19	Vel.< 0.3 m/s	NT84	NT85	26.41	DN250	-34.39586	-0.05	-0.68	
NT15	NT24	40.35	DN100	-3.56115	-0.10	-0.43		NT85	NT86	185.68	DN250	-34.39583	-0.35	-0.68	

NT86	NT87	82.40	DN250	-34.39584	-0.16	-0.68	
NT87	NT89	23.72	DN250	-34.39586	-0.04	-0.68	
NT89	NT90	59.94	DN250	-34.39585	-0.11	-0.68	
NT90	NT91	88.50	DN250	-34.39584	-0.17	-0.68	
NT91	NT92	102.27	DN250	-34.39584	-0.19	-0.68	
NT92	NT93	39.08	DN250	-34.39585	-0.07	-0.68	
NT93	NT94	27.64	DN250	-34.39586	-0.05	-0.68	
NT94	SG4	16.46	DN250	-34.39586	-0.03	-0.68	

Combinaciones: H6+H7

Inicio	Final	Longitud m	Diámetros mm	Caudal l/s	Périd. m.c.a.	Velocidad m/s	Coment.
BR39	NC39	25.31	DN100	-3.58808	-0.06	-0.43	
BR39	NC40	20.66	DN100	3.58808	0.05	0.43	
BR48	NT21	7.01	DN100	-8.97438	-0.09	-1.08	
BR48	NT22	18.49	DN100	8.97438	0.24	1.08	
BR52	NC59	11.31	DN100	-2.84792	-0.02	-0.34	
BR52	NC60	9.90	DN100	2.84792	0.02	0.34	
BR64	NC104	12.64	DN100	-2.18772	-0.01	-0.26	Vel.< 0.3 m/s
BR64	NC105	2.50	DN100	-0.31228	-0.00	-0.04	Vel.< 0.3 m/s
BR65	NC102	12.59	DN100	-2.25772	-0.01	-0.27	Vel.< 0.3 m/s
BR65	NC103	2.17	DN100	2.25772	0.00	0.27	Vel.< 0.3 m/s
BR88	NC127	11.50	DN100	-1.86416	-0.01	-0.22	Vel.< 0.3 m/s
BR88	NC128	3.49	DN100	1.86416	0.00	0.22	Vel.< 0.3 m/s
BR89	NC125	11.53	DN100	-1.93416	-0.01	-0.23	Vel.< 0.3 m/s
BR89	NC126	3.70	DN100	1.93416	0.00	0.23	Vel.< 0.3 m/s
BR92	NC120	7.89	DN100	-4.67714	-0.03	-0.56	
BR92	NC121	7.07	DN100	4.67714	0.03	0.56	
BR93	NC118	8.00	DN100	-4.74714	-0.03	-0.57	
BR93	NC119	7.14	DN100	4.74714	0.03	0.57	
BR99	H9	21.39	DN100	-2.02172	-0.02	-0.24	Vel.< 0.3 m/s
BR99	NT51	6.66	DN100	2.02172	0.01	0.24	Vel.< 0.3 m/s
BR107	NC181	4.70	DN100	-8.71392	-0.06	-1.05	
BR107	NT55	6.01	DN100	8.71392	0.07	1.05	
BR115	NC169	2.77	DN100	2.95064	0.00	0.35	
BR115	NC170	12.41	DN100	-2.95064	-0.02	-0.35	
H1	NC1	9.98	DN100	9.45886	0.14	1.14	
H1	NT2	10.61	DN100	-9.45886	-0.15	-1.14	
H2	NC8	18.03	DN100	-3.86274	-0.05	-0.46	
H2	NT5	5.47	DN100	3.86275	0.02	0.46	
H3	NC13	5.44	DN100	-0.22847	-0.00	-0.03	Vel.< 0.3 m/s
H3	NT7	3.12	DN100	0.22847	0.00	0.03	Vel.< 0.3 m/s
H4	NC62	31.11	DN250	14.86327	0.01	0.29	Vel.< 0.3 m/s
H4	NT18	7.10	DN250	-14.86328	-0.00	-0.29	Vel.< 0.3 m/s
H5	N11	28.66	DN100	-1.19798	-0.01	-0.14	Vel.< 0.3 m/s

H5	N12	2.54	DN100	1.19798	0.00	0.14	Vel.< 0.3 m/s
H6	NC77	7.27	DN100	-4.58257	-0.03	-0.55	
H6	NC78	15.27	DN100	-12.01744	-0.34	-1.44	
H7	N10	13.86	DN100	-3.12653	-0.03	-0.38	
H7	NT31	15.24	DN100	-13.47347	-0.42	-1.62	
H8	N23	27.84	DN100	8.57581	0.34	1.03	
H8	N24	2.91	DN100	-8.57582	-0.04	-1.03	
H9	N71	8.63	DN100	-2.02172	-0.01	-0.24	Vel.< 0.3 m/s
H10	N82	6.56	DN100	9.19232	0.09	1.10	
H10	NC192	15.26	DN100	-9.19231	-0.21	-1.10	
H11	N38	25.00	DN100	9.05591	0.33	1.09	
H11	N39	5.06	DN100	-9.05592	-0.07	-1.09	
H12	NC198	7.06	DN100	6.73621	0.06	0.81	
H12	NT69	34.08	DN100	-6.73621	-0.27	-0.81	
H13	NC250	6.92	DN100	4.18790	0.02	0.50	
H13	NC251	9.77	DN100	-4.18790	-0.03	-0.50	
H14	N53	22.21	DN100	-7.69941	-0.22	-0.92	
H14	N58	8.16	DN100	7.69941	0.08	0.92	
N1	NC23	28.40	DN100	1.78424	0.02	0.21	Vel.< 0.3 m/s
N1	NC24	15.62	DN100	-1.78424	-0.01	-0.21	Vel.< 0.3 m/s
N2	NC21	11.08	DN100	1.22424	0.00	0.15	Vel.< 0.3 m/s
N2	NC22	24.47	DN100	-1.22424	-0.01	-0.15	Vel.< 0.3 m/s
N3	NC33	21.20	DN100	-0.36365	-0.00	-0.04	Vel.< 0.3 m/s
N3	NC34	12.38	DN100	0.36365	0.00	0.04	Vel.< 0.3 m/s
N4	NC35	8.76	DN100	0.96635	0.00	0.12	Vel.< 0.3 m/s
N4	NC36	18.71	DN100	-0.96635	-0.00	-0.12	Vel.< 0.3 m/s
N5	NC37	25.14	DN100	6.13919	0.17	0.74	
N5	NT13	6.22	DN100	-6.13919	-0.04	-0.74	
N6	NC9	49.73	DN100	-2.23903	-0.05	-0.27	Vel.< 0.3 m/s
N6	NC10	4.11	DN100	2.23903	0.00	0.27	Vel.< 0.3 m/s
N7	N8	30.01	DN100	-1.05097	-0.01	-0.13	Vel.< 0.3 m/s
N7	NC13	4.29	DN100	1.05097	0.00	0.13	Vel.< 0.3 m/s
N8	NC14	3.43	DN100	-1.05097	-0.00	-0.13	Vel.< 0.3 m/s
N9	NC16	9.67	DN100	3.51848	0.02	0.42	
N9	NT17	9.23	DN100	-3.51848	-0.02	-0.42	
N10	NC82	3.91	DN100	-3.12653	-0.01	-0.38	
N11	NC71	1.66	DN100	-1.19798	-0.00	-0.14	Vel.< 0.3 m/s
N12	NC70	28.65	DN100	1.19798	0.01	0.14	Vel.< 0.3 m/s
N13	NC69	9.68	DN100	0.62048	0.00	0.07	Vel.< 0.3 m/s
N13	NC70	1.36	DN100	-0.62048	-0.00	-0.07	Vel.< 0.3 m/s
N14	N15	30.01	DN100	0.04298	0.00	0.01	Vel.< 0.3 m/s
N14	NC69	20.34	DN100	-0.04298	-0.00	-0.01	Vel.< 0.3 m/s
N15	NC68	19.49	DN100	0.04298	0.00	0.01	Vel.< 0.3 m/s
N16	NT20	13.46	DN100	-7.11243	-0.12	-0.85	
N16	NT21	26.25	DN100	7.11242	0.23	0.85	
N17	NT18	4.50	DN100	-9.95695	-0.07	-1.19	

N17	NT19	20.61	DN150	9.95695	0.05	0.54		N44	NC256	9.37	DN100	4.39790	0.03	0.53	
N18	N19	30.00	DN100	-3.17164	-0.06	-0.38		N44	NC257	6.85	DN100	-4.39790	-0.02	-0.53	
N18	NT33	1.22	DN100	3.17165	0.00	0.38		N45	NC258	6.77	DN100	4.46790	0.03	0.54	
N19	NT39	21.29	DN100	-3.17164	-0.04	-0.38		N45	NC259	9.53	DN100	-4.46790	-0.04	-0.54	
N20	NC115	7.00	DN100	4.88714	0.03	0.59		N46	NC260	4.16	DN100	4.53791	0.02	0.54	
N20	NT39	12.08	DN100	-4.88714	-0.05	-0.59		N46	NC261	20.56	DN100	-4.53790	-0.08	-0.54	
N21	NC116	7.97	DN100	-4.81714	-0.03	-0.58		N47	NT76	9.30	DN100	-4.57290	-0.04	-0.55	
N21	NC117	7.11	DN100	4.81714	0.03	0.58		N47	NT78	34.62	DN100	4.57290	0.13	0.55	
N22	NC122	7.96	DN100	-4.60714	-0.03	-0.55		N48	NC229	1.91	DN100	4.82732	0.01	0.58	
N22	NT40	5.05	DN100	4.60714	0.02	0.55		N48	NC230	14.38	DN100	-4.82731	-0.06	-0.58	
N23	NT38	4.65	DN100	8.57582	0.06	1.03		N49	NC230	14.58	DN100	4.86231	0.06	0.58	
N24	NT44	13.63	DN100	-8.57582	-0.16	-1.03		N49	NC231	2.43	DN100	-4.86232	-0.01	-0.58	
N25	NC135	8.58	DN100	-0.15172	-0.00	-0.02	Vel.< 0.3 m/s	N50	NC232	11.20	DN100	4.93231	0.05	0.59	
N25	NC136	6.36	DN100	0.15172	0.00	0.02	Vel.< 0.3 m/s	N50	NC233	5.43	DN100	-4.93231	-0.02	-0.59	
N26	NC133	8.63	DN100	-0.22172	-0.00	-0.03	Vel.< 0.3 m/s	N51	NC234	7.91	DN100	5.00231	0.04	0.60	
N26	NC134	6.43	DN100	0.22172	0.00	0.03	Vel.< 0.3 m/s	N51	NC235	8.78	DN100	-5.00231	-0.04	-0.60	
N27	NC131	8.59	DN100	-0.29172	-0.00	-0.04	Vel.< 0.3 m/s	N52	NC236	4.59	DN100	5.07231	0.02	0.61	
N27	NC132	6.40	DN100	0.29172	0.00	0.04	Vel.< 0.3 m/s	N52	NT75	20.73	DN100	-5.07231	-0.10	-0.61	
N28	NT37	22.80	DN100	8.63973	0.28	1.04		N53	NT75	9.20	DN100	-7.69941	-0.09	-0.92	
N28	NT43	26.20	DN100	-8.63973	-0.32	-1.04		N54	NC220	6.39	DN100	4.06617	0.02	0.49	
N29	N30	26.90	DN100	-8.56056	-0.32	-1.03		N54	NC221	8.67	DN100	-4.06617	-0.03	-0.49	
N29	NT50	4.00	DN100	8.56056	0.05	1.03		N55	NC222	6.58	DN100	4.13617	0.02	0.50	
N30	NT56	18.31	DN100	-8.56056	-0.22	-1.03		N55	NC223	8.41	DN100	-4.13617	-0.03	-0.50	
N31	NT49	24.01	DN100	8.57834	0.29	1.03		N56	NC224	6.55	DN100	4.20617	0.02	0.50	
N31	NT55	25.00	DN100	-8.57834	-0.30	-1.03		N56	NC225	8.35	DN100	-4.20617	-0.03	-0.50	
N32	NC183	11.20	DN100	-0.08307	-0.00	-0.01	Vel.< 0.3 m/s	N57	NC226	6.86	DN100	4.27617	0.02	0.51	
N32	NC184	3.84	DN100	0.08307	0.00	0.01	Vel.< 0.3 m/s	N57	NC227	8.07	DN100	-4.27617	-0.03	-0.51	
N33	NC185	11.17	DN100	0.00000	-0.00	0.00	Vel.< 0.3 m/s	N58	NT74	15.12	DN100	7.69941	0.15	0.92	
N33	NC186	3.89	DN100	0.00000	0.00	0.00	Vel.< 0.3 m/s	N59	NT73	1.43	DN100	3.38824	0.00	0.41	
N34	NC187	11.27	DN100	0.05693	0.00	0.01	Vel.< 0.3 m/s	N59	NT74	13.44	DN100	-3.38824	-0.03	-0.41	
N34	NC188	3.84	DN100	-0.05693	-0.00	-0.01	Vel.< 0.3 m/s	N60	NC211	5.54	DN100	3.11313	0.01	0.37	
N35	N36	29.97	DN100	-8.68749	-0.37	-1.04		N60	NC212	9.39	DN100	-3.11313	-0.02	-0.37	
N35	NT56	11.57	DN100	8.68749	0.14	1.04		N61	NT72	20.58	DN100	-0.85397	-0.00	-0.10	Vel.< 0.3 m/s
N36	NC193	24.37	DN100	-8.68749	-0.30	-1.04		N61	NT73	28.62	DN100	0.85397	0.01	0.10	Vel.< 0.3 m/s
N37	NC193	5.64	DN100	9.02949	0.07	1.08		N62	NC209	5.13	DN100	3.04313	0.01	0.37	
N37	NT68	6.64	DN100	-9.02949	-0.09	-1.08		N62	NC210	9.54	DN100	-3.04313	-0.02	-0.37	
N38	NC181	25.31	DN100	9.05591	0.34	1.09		N63	N64	30.01	DN100	4.77397	0.13	0.57	
N39	NT65	11.16	DN100	-9.05591	-0.15	-1.09		N63	NT63	14.40	DN100	-4.77397	-0.06	-0.57	
N40	NC249	4.28	DN100	4.15290	0.01	0.50		N64	NT64	5.16	DN100	4.77397	0.02	0.57	
N40	NC250	12.31	DN100	-4.15290	-0.04	-0.50		N65	NC203	26.65	DN100	-7.44092	-0.25	-0.89	
N41	NC251	1.65	DN100	4.22291	0.01	0.51		N65	NT71	24.96	DN100	7.44092	0.23	0.89	
N41	NC252	14.84	DN100	-4.22290	-0.05	-0.51		N66	NT61	31.89	DN100	1.48048	0.02	0.18	Vel.< 0.3 m/s
N42	NC252	14.62	DN100	4.25790	0.05	0.51		N66	NT62	18.12	DN100	-1.48048	-0.01	-0.18	Vel.< 0.3 m/s
N42	NC253	1.62	DN100	-4.25791	-0.01	-0.51		N67	NC200	13.49	DN100	8.66742	0.17	1.04	
N43	NC254	11.88	DN100	4.32790	0.04	0.52		N67	NC201	1.64	DN100	-8.66743	-0.02	-1.04	
N43	NC255	4.37	DN100	-4.32790	-0.02	-0.52		N68	NC202	13.51	DN100	8.73742	0.17	1.05	

N68	NT70	1.58	DN100	-8.73743	-0.02	-1.05		NC18	NT9	33.27	DN200	58.62215	0.50	1.80	
N69	N70	28.09	DN100	3.29287	0.06	0.40		NC19	NC20	63.32	DN250	-15.51463	-0.03	-0.31	
N69	NC190	58.73	DN100	-3.29287	-0.13	-0.40		NC20	NT9	27.10	DN250	-22.51464	-0.02	-0.44	
N70	NT59	7.59	DN100	3.29287	0.02	0.40		NC21	NT2	13.61	DN100	0.94424	0.00	0.11	Vel.< 0.3 m/s
N71	N72	30.00	DN100	-2.02172	-0.03	-0.24	Vel.< 0.3 m/s	NC22	NC23	5.80	DN100	-1.50424	-0.00	-0.18	Vel.< 0.3 m/s
N72	NC263	2.39	DN100	-2.02172	-0.00	-0.24	Vel.< 0.3 m/s	NC24	NT10	3.68	DN100	-2.06424	-0.00	-0.25	Vel.< 0.3 m/s
N73	NT45	26.53	DN100	4.70986	0.11	0.57		NC25	NC26	32.29	DN100	8.94307	0.42	1.07	
N73	NT51	23.37	DN100	-4.70986	-0.10	-0.57		NC25	NT10	3.97	DN100	-9.22308	-0.05	-1.11	
N74	NT39	8.73	DN100	8.05878	0.09	0.97		NC26	NC27	5.43	DN100	8.66308	0.07	1.04	
N74	NT45	3.49	DN100	-8.05879	-0.04	-0.97		NC27	NC28	19.92	DN100	8.38307	0.23	1.01	
N75	NC163	2.74	DN100	2.74064	0.00	0.33		NC28	NT11	5.69	DN100	8.10308	0.06	0.97	
N75	NC164	12.08	DN100	-2.74064	-0.02	-0.33		NC29	NC30	39.03	DN100	0.50746	0.00	0.06	Vel.< 0.3 m/s
N76	NC165	2.78	DN100	2.81064	0.00	0.34		NC29	NT3	8.30	DN100	-0.78746	-0.00	-0.09	Vel.< 0.3 m/s
N76	NC166	12.20	DN100	-2.81064	-0.02	-0.34		NC30	NC31	9.30	DN100	0.22746	0.00	0.03	Vel.< 0.3 m/s
N77	NC167	2.95	DN100	2.88064	0.00	0.35		NC31	NC32	34.11	DN100	-0.05254	-0.00	-0.01	Vel.< 0.3 m/s
N77	NC168	12.23	DN100	-2.88064	-0.02	-0.35		NC32	NT12	9.59	DN100	-0.33254	-0.00	-0.04	Vel.< 0.3 m/s
N78	NC171	2.95	DN100	3.02064	0.01	0.36		NC33	NT4	14.20	DN100	-1.02865	-0.00	-0.12	Vel.< 0.3 m/s
N78	NT52	10.07	DN100	-3.02064	-0.02	-0.36		NC34	NC35	8.91	DN100	-0.30135	-0.00	-0.04	Vel.< 0.3 m/s
N79	N80	26.94	DN100	-8.66635	-0.33	-1.04		NC36	NT13	5.11	DN100	-1.63135	-0.00	-0.20	Vel.< 0.3 m/s
N79	NT47	5.52	DN100	8.66635	0.07	1.04		NC37	NT14	7.31	DN100	5.47419	0.04	0.66	
N80	NT53	16.54	DN100	-8.66635	-0.20	-1.04		NC38	NC39	6.39	DN100	4.25308	0.02	0.51	
N81	N82	30.00	DN100	-9.19231	-0.41	-1.10		NC38	NT14	28.10	DN100	-4.91808	-0.12	-0.59	
N81	NT53	13.46	DN100	9.19231	0.18	1.10		NC40	NT15	8.98	DN100	2.92308	0.02	0.35	
N83	NC177	6.22	DN100	-0.36846	-0.00	-0.04	Vel.< 0.3 m/s	NC41	NC42	40.07	DN100	-0.34591	-0.00	-0.04	Vel.< 0.3 m/s
N83	NC178	8.76	DN100	0.36846	0.00	0.04	Vel.< 0.3 m/s	NC41	NT5	8.82	DN100	-0.31909	-0.00	-0.04	Vel.< 0.3 m/s
N84	NC175	6.37	DN100	-0.43846	-0.00	-0.05	Vel.< 0.3 m/s	NC42	NC43	8.40	DN100	-1.01092	-0.00	-0.12	Vel.< 0.3 m/s
N84	NC176	8.73	DN100	0.43846	0.00	0.05	Vel.< 0.3 m/s	NC43	NC44	38.81	DN100	-1.67592	-0.03	-0.20	Vel.< 0.3 m/s
N85	NC19	21.43	DN250	-8.51462	-0.00	-0.17	Vel.< 0.3 m/s	NC44	NT15	9.18	DN100	-2.34092	-0.01	-0.28	Vel.< 0.3 m/s
N85	NT1	6.90	DN250	8.51463	0.00	0.17	Vel.< 0.3 m/s	NC45	NC46	39.50	DN100	-0.34037	-0.00	-0.04	Vel.< 0.3 m/s
N86	NC11	16.46	DN100	-0.59403	-0.00	-0.07	Vel.< 0.3 m/s	NC45	NT6	11.19	DN100	-0.48213	-0.00	-0.06	Vel.< 0.3 m/s
N86	NC12	43.73	DN100	0.59403	0.00	0.07	Vel.< 0.3 m/s	NC46	NC47	7.20	DN100	-1.16287	-0.00	-0.14	Vel.< 0.3 m/s
NC1	NC2	6.20	DN100	9.17886	0.09	1.10		NC47	NC48	40.77	DN100	-1.98537	-0.04	-0.24	Vel.< 0.3 m/s
NC2	NC3	20.17	DN100	8.89886	0.26	1.07		NC48	NT16	6.61	DN100	-2.80787	-0.01	-0.34	
NC3	NC4	10.34	DN100	8.61886	0.13	1.03		NC49	NC50	50.40	DN100	1.11454	0.02	0.13	Vel.< 0.3 m/s
NC4	NT3	8.89	DN100	8.33886	0.10	1.00		NC49	NT16	9.65	DN100	-1.93704	-0.01	-0.23	Vel.< 0.3 m/s
NC5	NC6	19.26	DN100	5.85774	0.12	0.70		NC50	NC51	17.19	DN100	0.29204	0.00	0.04	Vel.< 0.3 m/s
NC5	NT4	15.87	DN100	-6.52275	-0.12	-0.78		NC51	NC52	45.91	DN100	-0.53046	-0.00	-0.06	Vel.< 0.3 m/s
NC6	NC7	32.83	DN100	5.19274	0.16	0.62		NC52	NT17	6.56	DN100	-1.35296	-0.00	-0.16	Vel.< 0.3 m/s
NC7	NC8	25.40	DN100	4.52774	0.10	0.54		NC53	NC54	24.62	DN100	8.84492	0.32	1.06	
NC9	NT6	10.76	DN100	-3.06153	-0.02	-0.37		NC53	NT19	5.16	DN100	-9.42243	-0.07	-1.13	
NC10	NC11	9.44	DN100	1.41653	0.00	0.17	Vel.< 0.3 m/s	NC54	NC55	3.62	DN100	8.26743	0.04	0.99	
NC12	NT7	6.17	DN100	-0.22847	-0.00	-0.03	Vel.< 0.3 m/s	NC55	NC56	21.34	DN100	7.68993	0.21	0.92	
NC14	NC15	8.39	DN100	-1.87348	-0.01	-0.22	Vel.< 0.3 m/s	NC56	NT20	1.26	DN100	7.11243	0.01	0.85	
NC15	NC16	38.52	DN100	-2.69598	-0.06	-0.32		NC57	NC72	31.20	DN100	-2.43945	-0.04	-0.29	Vel.< 0.3 m/s
NC17	NC18	37.56	DN200	65.62214	0.69	2.02		NC57	NT21	1.09	DN100	1.86195	0.00	0.22	Vel.< 0.3 m/s
NC17	NT8	24.61	DN200	-72.62215	-0.55	-2.23	Vel.máx.	NC58	NC59	51.60	DN100	3.26791	0.11	0.39	

NC58	NT23	27.48	DN100	-3.68792	-0.07	-0.44		NC100	NC101	10.07	DN100	2.32772	0.01	0.28	Vel.< 0.3 m/s
NC60	NT24	5.22	DN100	2.42792	0.01	0.29	Vel.< 0.3 m/s	NC100	NT35	10.45	DN100	-2.34522	-0.01	-0.28	Vel.< 0.3 m/s
NC61	NT25	28.29	DN100	1.52791	0.02	0.18	Vel.< 0.3 m/s	NC101	NC102	15.08	DN100	2.29272	0.02	0.28	Vel.< 0.3 m/s
NC61	NT26	97.13	DN100	-2.26291	-0.11	-0.27	Vel.< 0.3 m/s	NC103	NC104	15.24	DN100	2.22272	0.02	0.27	Vel.< 0.3 m/s
NC62	NC63	80.65	DN250	4.86325	0.00	0.10	Vel.< 0.3 m/s	NC105	NC106	14.82	DN100	-0.34728	-0.00	-0.04	Vel.< 0.3 m/s
NC63	NC64	49.85	DN250	-5.13676	-0.00	-0.10	Vel.< 0.3 m/s	NC106	NT36	11.82	DN100	-0.38228	-0.00	-0.05	Vel.< 0.3 m/s
NC64	NT97	9.70	DN250	-15.13675	-0.00	-0.30	Vel.< 0.3 m/s	NC107	NC108	15.01	DN100	-0.22697	-0.00	-0.03	Vel.< 0.3 m/s
NC65	NC66	89.95	DN250	-33.43704	-0.16	-0.66		NC107	NT37	12.94	DN100	0.19197	0.00	0.02	Vel.< 0.3 m/s
NC65	NT97	42.30	DN250	26.43705	0.05	0.52		NC108	NC109	15.05	DN100	-0.26197	-0.00	-0.03	Vel.< 0.3 m/s
NC66	NC67	19.78	DN250	-40.43707	-0.05	-0.80		NC109	NC110	15.23	DN100	-0.29697	-0.00	-0.04	Vel.< 0.3 m/s
NC67	NT57	47.42	DN250	-40.58705	-0.12	-0.80		NC110	NC111	14.90	DN100	-0.33197	-0.00	-0.04	Vel.< 0.3 m/s
NC68	NT19	13.65	DN100	-0.53452	-0.00	-0.06	Vel.< 0.3 m/s	NC111	NC112	14.93	DN100	-0.36697	-0.00	-0.04	Vel.< 0.3 m/s
NC71	NT27	11.88	DN100	-1.77548	-0.01	-0.21	Vel.< 0.3 m/s	NC112	NC113	14.85	DN100	-0.40197	-0.00	-0.05	Vel.< 0.3 m/s
NC72	NC73	14.24	DN100	-3.01695	-0.03	-0.36		NC113	NC114	12.54	DN100	-0.43697	-0.00	-0.05	Vel.< 0.3 m/s
NC73	NC74	52.76	DN100	-3.59445	-0.13	-0.43		NC114	NT38	12.09	DN100	-0.45447	-0.00	-0.05	Vel.< 0.3 m/s
NC74	NT28	11.65	DN100	-4.17195	-0.04	-0.50		NC115	NC116	15.06	DN100	4.85214	0.06	0.58	
NC75	NC76	24.83	DN100	5.42257	0.13	0.65		NC117	NC118	15.00	DN100	4.78214	0.06	0.57	
NC75	NT22	10.93	DN100	-5.84257	-0.07	-0.70		NC119	NC120	15.01	DN100	4.71214	0.06	0.57	
NC76	NC77	41.44	DN100	5.00257	0.19	0.60		NC121	NC122	14.98	DN100	4.64214	0.06	0.56	
NC78	NT29	11.09	DN100	-12.43744	-0.27	-1.49		NC123	NC124	10.11	DN100	2.00416	0.01	0.24	Vel.< 0.3 m/s
NC79	NC80	35.36	DN100	-4.48845	-0.13	-0.54		NC123	NT41	10.42	DN100	-2.02166	-0.01	-0.24	Vel.< 0.3 m/s
NC79	NT24	9.36	DN100	4.06845	0.03	0.49		NC124	NC125	15.08	DN100	1.96916	0.01	0.24	Vel.< 0.3 m/s
NC80	NC81	17.42	DN100	-4.90845	-0.08	-0.59		NC126	NC127	14.82	DN100	1.89916	0.01	0.23	Vel.< 0.3 m/s
NC81	NT30	10.90	DN100	-5.32845	-0.06	-0.64		NC128	NC129	14.91	DN100	1.82916	0.01	0.22	Vel.< 0.3 m/s
NC82	NT25	33.75	DN100	-3.86153	-0.10	-0.46		NC129	NT42	11.79	DN100	1.79416	0.01	0.22	Vel.< 0.3 m/s
NC83	NC84	42.61	DN100	6.72329	0.33	0.81		NC130	NC131	15.12	DN100	0.32672	0.00	0.04	Vel.< 0.3 m/s
NC83	NT27	17.88	DN100	-7.30079	-0.16	-0.88		NC130	NT43	13.07	DN100	-0.36172	-0.00	-0.04	Vel.< 0.3 m/s
NC84	NC85	10.37	DN100	6.14579	0.07	0.74		NC132	NC133	14.98	DN100	0.25672	0.00	0.03	Vel.< 0.3 m/s
NC85	NC86	35.23	DN100	5.56829	0.19	0.67		NC134	NC135	15.00	DN100	0.18672	0.00	0.02	Vel.< 0.3 m/s
NC86	NT28	7.25	DN100	4.99079	0.03	0.60		NC136	NC137	13.25	DN100	0.11672	0.00	0.01	Vel.< 0.3 m/s
NC87	NC88	18.57	DN100	2.88370	0.03	0.35		NC137	NT44	10.07	DN100	0.09922	0.00	0.01	Vel.< 0.3 m/s
NC87	NT29	26.86	DN100	-3.30370	-0.06	-0.40		NC138	NC139	14.93	DN100	-3.38392	-0.03	-0.41	
NC88	NC89	22.60	DN100	2.46370	0.03	0.30	Vel.< 0.3 m/s	NC138	NT45	8.36	DN100	3.34892	0.02	0.40	
NC89	NC90	13.93	DN100	2.04370	0.01	0.25	Vel.< 0.3 m/s	NC139	NC140	15.08	DN100	-3.41892	-0.03	-0.41	
NC90	NT30	25.41	DN100	1.62370	0.02	0.19	Vel.< 0.3 m/s	NC140	NC141	15.08	DN100	-3.45392	-0.04	-0.41	
NC91	NT31	23.26	DN100	0.25200	0.00	0.03	Vel.< 0.3 m/s	NC141	NC142	14.90	DN100	-3.48892	-0.04	-0.42	
NC91	NT32	107.19	DN100	-0.98700	-0.03	-0.12	Vel.< 0.3 m/s	NC142	NC143	14.89	DN100	-3.52392	-0.04	-0.42	
NC92	NC93	10.54	DN100	5.37817	0.05	0.65		NC143	NC144	15.11	DN100	-3.55892	-0.04	-0.43	
NC92	NT33	4.91	DN100	-5.39567	-0.03	-0.65		NC144	NC145	15.10	DN100	-3.59392	-0.04	-0.43	
NC93	NC94	14.91	DN100	5.34317	0.08	0.64		NC145	NC146	15.15	DN100	-3.62892	-0.04	-0.44	
NC94	NC95	14.90	DN100	5.30817	0.08	0.64		NC146	NT46	13.00	DN100	-3.66392	-0.03	-0.44	
NC95	NC96	15.09	DN100	5.27317	0.08	0.63		NC147	NC148	11.73	DN100	-0.90003	-0.00	-0.11	Vel.< 0.3 m/s
NC96	NC97	15.08	DN100	5.23817	0.07	0.63		NC147	NT47	8.80	DN100	0.88253	0.00	0.11	Vel.< 0.3 m/s
NC97	NC98	15.10	DN100	5.20317	0.07	0.62		NC148	NC149	15.01	DN100	-0.93503	-0.00	-0.11	Vel.< 0.3 m/s
NC98	NC99	14.99	DN100	5.16817	0.07	0.62		NC149	NC150	14.96	DN100	-0.97003	-0.00	-0.12	Vel.< 0.3 m/s
NC99	NT34	13.03	DN100	5.13317	0.06	0.62		NC150	NC151	15.08	DN100	-1.00503	-0.00	-0.12	Vel.< 0.3 m/s

NC151	NC152	15.11	DN100	-1.04003	-0.00	-0.12	Vel.< 0.3 m/s
NC152	NC153	14.82	DN100	-1.07503	-0.00	-0.13	Vel.< 0.3 m/s
NC153	NT48	11.83	DN100	-1.11003	-0.00	-0.13	Vel.< 0.3 m/s
NC154	NC155	12.73	DN100	0.16103	0.00	0.02	Vel.< 0.3 m/s
NC154	NT49	7.71	DN100	-0.17854	-0.00	-0.02	Vel.< 0.3 m/s
NC155	NC156	14.81	DN100	0.12603	0.00	0.02	Vel.< 0.3 m/s
NC156	NC157	15.12	DN100	0.09103	0.00	0.01	Vel.< 0.3 m/s
NC157	NC158	14.98	DN100	0.05603	0.00	0.01	Vel.< 0.3 m/s
NC158	NC159	14.92	DN100	0.02103	0.00	0.00	Vel.< 0.3 m/s
NC159	NC160	15.11	DN100	0.00000	-0.00	0.00	Vel.< 0.3 m/s
NC160	NC161	14.99	DN100	-0.04896	-0.00	-0.01	Vel.< 0.3 m/s
NC161	NT50	15.50	DN100	-0.08396	-0.00	-0.01	Vel.< 0.3 m/s
NC162	NC163	13.11	DN100	-2.70564	-0.02	-0.32	
NC162	NT51	13.79	DN100	2.68814	0.02	0.32	
NC164	NC165	15.15	DN100	-2.77564	-0.02	-0.33	
NC166	NC167	14.86	DN100	-2.84564	-0.02	-0.34	
NC168	NC169	15.00	DN100	-2.91564	-0.03	-0.35	
NC170	NC171	14.72	DN100	-2.98564	-0.03	-0.36	
NC172	NT52	11.43	DN100	6.68456	0.09	0.80	
NC172	NT60	66.00	DN100	-7.19456	-0.58	-0.86	
NC173	NC174	10.89	DN100	0.50846	0.00	0.06	Vel.< 0.3 m/s
NC173	NT53	9.66	DN100	-0.52596	-0.00	-0.06	Vel.< 0.3 m/s
NC174	NC175	15.17	DN100	0.47346	0.00	0.06	Vel.< 0.3 m/s
NC176	NC177	15.06	DN100	0.40346	0.00	0.05	Vel.< 0.3 m/s
NC178	NC179	14.94	DN100	0.33346	0.00	0.04	Vel.< 0.3 m/s
NC179	NT54	11.53	DN100	0.29846	0.00	0.04	Vel.< 0.3 m/s
NC180	NT54	10.13	DN100	8.09586	0.11	0.97	
NC180	NT64	67.07	DN100	-8.40785	-0.78	-1.01	
NC182	NC183	11.28	DN100	0.11807	0.00	0.01	Vel.< 0.3 m/s
NC182	NT55	9.25	DN100	-0.13557	-0.00	-0.02	Vel.< 0.3 m/s
NC184	NC185	14.99	DN100	0.04807	0.00	0.01	Vel.< 0.3 m/s
NC186	NC187	14.86	DN100	-0.02193	-0.00	-0.00	Vel.< 0.3 m/s
NC188	NC189	14.99	DN100	-0.09193	-0.00	-0.01	Vel.< 0.3 m/s
NC189	NT56	10.84	DN100	-0.12693	-0.00	-0.02	Vel.< 0.3 m/s
NC190	NC191	29.77	DN100	-3.31037	-0.06	-0.40	
NC191	NT60	27.49	DN100	-3.34537	-0.06	-0.40	
NC192	NT61	12.22	DN100	-9.50431	-0.18	-1.14	
NC194	NC195	22.66	DN100	-6.59621	-0.17	-0.79	
NC194	NT59	34.25	DN100	6.56121	0.25	0.79	
NC195	NC196	15.01	DN100	-6.63121	-0.11	-0.80	
NC196	NC197	14.88	DN100	-6.66621	-0.11	-0.80	
NC197	NC198	15.08	DN100	-6.70121	-0.12	-0.80	
NC199	NC262	16.69	DN100	-9.96634	-0.27	-1.20	
NC199	NT60	29.17	DN100	9.93134	0.46	1.19	
NC200	NT61	12.58	DN100	8.63242	0.15	1.04	
NC201	NC202	14.89	DN100	-8.70242	-0.19	-1.04	

NC203	NT70	0.87	DN100	-7.47593	-0.01	-0.90	
NC204	NC205	17.32	DN100	-3.31632	-0.04	-0.40	
NC204	NT62	24.58	DN100	3.28132	0.05	0.39	
NC205	NC206	17.34	DN100	-3.35132	-0.04	-0.40	
NC206	NC207	17.29	DN100	-3.38632	-0.04	-0.41	
NC207	NT71	13.38	DN100	-3.42132	-0.03	-0.41	
NC208	NC209	14.91	DN100	-3.00813	-0.03	-0.36	
NC208	NT63	12.76	DN100	2.97313	0.02	0.36	
NC210	NC211	15.32	DN100	-3.07813	-0.03	-0.37	
NC212	NC213	12.05	DN100	-3.14813	-0.02	-0.38	
NC213	NT72	8.79	DN100	-3.16563	-0.02	-0.38	
NC214	NC215	16.79	DN100	-4.08471	-0.05	-0.49	
NC214	NT64	22.86	DN100	4.04971	0.07	0.49	
NC215	NC216	17.28	DN100	-4.11971	-0.06	-0.49	
NC216	NC217	16.70	DN100	-4.15471	-0.05	-0.50	
NC217	NC218	16.85	DN100	-4.18971	-0.06	-0.50	
NC218	NC219	16.58	DN100	-4.22471	-0.06	-0.51	
NC219	NT73	8.66	DN100	-4.24221	-0.03	-0.51	
NC220	NT65	12.78	DN100	4.03117	0.04	0.48	
NC221	NC222	14.79	DN100	-4.10117	-0.05	-0.49	
NC223	NC224	15.10	DN100	-4.17117	-0.05	-0.50	
NC225	NC226	14.93	DN100	-4.24117	-0.05	-0.51	
NC227	NT74	7.89	DN100	-4.31117	-0.03	-0.52	
NC228	NC229	16.18	DN100	-4.79231	-0.07	-0.58	
NC228	NT66	13.53	DN100	4.77481	0.06	0.57	
NC231	NC232	16.69	DN100	-4.89731	-0.07	-0.59	
NC233	NC234	16.63	DN100	-4.96731	-0.07	-0.60	
NC235	NC236	16.64	DN100	-5.03731	-0.08	-0.60	
NC237	NC238	14.96	DN100	-4.78069	-0.06	-0.57	
NC237	NT67	12.82	DN100	4.74569	0.05	0.57	
NC238	NC239	14.97	DN100	-4.81569	-0.06	-0.58	
NC239	NC240	15.07	DN100	-4.85069	-0.06	-0.58	
NC240	NC241	14.91	DN100	-4.88569	-0.07	-0.59	
NC241	NC242	14.82	DN100	-4.92069	-0.07	-0.59	
NC242	NC243	15.02	DN100	-4.95569	-0.07	-0.59	
NC243	NC244	14.96	DN100	-4.99069	-0.07	-0.60	
NC244	NC245	14.96	DN100	-5.02569	-0.07	-0.60	
NC245	NC246	14.93	DN100	-5.06069	-0.07	-0.61	
NC246	NC247	15.15	DN100	-5.09569	-0.07	-0.61	
NC247	NC248	14.68	DN100	-5.13069	-0.07	-0.62	
NC248	NT76	6.24	DN100	-5.16569	-0.03	-0.62	
NC249	NT68	21.13	DN100	4.11790	0.07	0.49	
NC253	NC254	16.59	DN100	-4.29290	-0.06	-0.52	
NC255	NC256	16.31	DN100	-4.36290	-0.06	-0.52	
NC257	NC258	16.39	DN100	-4.43290	-0.06	-0.53	
NC259	NC260	16.33	DN100	-4.50290	-0.06	-0.54	

NC261	NT79	7.52	DN100	-4.57290	-0.03	-0.55	Vel.< 0.3 m/s
NC262	NT69	2.12	DN100	-10.00135	-0.03	-1.20	
NC263	NT58	3.32	DN100	-2.53172	-0.00	-0.30	
NT1	NT2	41.50	DN150	8.51462	0.07	0.46	
NT3	NT4	27.71	DN100	7.55140	0.27	0.91	
NT5	NT6	15.71	DN100	3.54366	0.04	0.43	
NT8	SG1	137.03	DN200	-72.62208	-3.04	-2.23	
NT9	NT10	25.53	DN150	11.28732	0.07	0.61	
NT9	NT18	38.82	DN250	24.82022	0.04	0.49	
NT11	NT12	8.69	DN100	8.10308	0.09	0.97	
NT12	NT13	25.40	DN100	7.77053	0.26	0.93	Vel.< 0.3 m/s
NT14	NT23	37.00	DN100	0.55611	0.00	0.07	
NT15	NT16	15.70	DN100	2.99043	0.03	0.36	
NT15	NT24	40.35	DN100	-2.40827	-0.05	-0.29	
NT16	NT25	40.35	DN100	-1.75448	-0.03	-0.21	
NT17	NT26	38.84	DN100	-4.87144	-0.17	-0.58	
NT22	NT23	11.33	DN100	3.13181	0.02	0.38	
NT24	NT25	15.70	DN100	4.08810	0.05	0.49	
NT26	NT32	22.79	DN100	-7.13435	-0.20	-0.86	
NT27	NT33	15.31	DN100	2.22403	0.02	0.27	
NT27	NT97	25.95	DN150	-11.30030	-0.07	-0.61	Vel.< 0.3 m/s
NT28	NT29	25.40	DN100	9.58996	0.38	1.15	
NT28	NT34	14.40	DN100	-8.77112	-0.18	-1.05	
NT29	NT35	14.40	DN100	-6.15119	-0.10	-0.74	
NT30	NT31	14.40	DN100	4.38977	0.05	0.53	
NT30	NT36	14.40	DN100	-8.09452	-0.16	-0.97	
NT31	NT37	14.40	DN100	-8.83170	-0.18	-1.06	
NT32	NT38	14.69	DN100	-8.12135	-0.16	-0.97	
NT34	NT40	49.00	DN100	-3.63795	-0.13	-0.44	
NT35	NT41	49.00	DN100	-8.49640	-0.58	-1.02	
NT36	NT42	49.00	DN100	-8.47680	-0.58	-1.02	Vel.< 0.3 m/s
NT40	NT41	25.40	DN100	0.96919	0.01	0.12	
NT41	NT47	11.40	DN100	-9.54888	-0.17	-1.15	
NT42	NT43	14.40	DN80	0.60165	0.00	0.11	
NT42	NT48	11.40	DN80	-7.28429	-0.28	-1.33	
NT43	NT49	11.40	DN100	-8.39981	-0.13	-1.01	
NT44	NT50	11.42	DN100	-8.47659	-0.14	-1.02	
NT46	NT52	49.00	DN100	-3.66392	-0.13	-0.44	
NT48	NT54	49.00	DN100	-8.39432	-0.57	-1.01	
NT57	NT58	25.07	DN150	-7.32236	-0.03	-0.40	
NT57	NT82	92.44	DN250	-33.26469	-0.16	-0.66	Vel.< 0.3 m/s
NT58	NT59	34.49	DN100	-9.85407	-0.54	-1.18	
NT60	NT61	25.91	DN100	-0.60859	-0.00	-0.07	
NT62	NT63	9.49	DN100	1.80084	0.01	0.22	
NT64	NT65	14.53	DN80	0.41583	0.00	0.08	
NT65	NT66	49.45	DN100	-4.60891	-0.19	-0.55	

NT66	NT67	9.42	DN100	0.16590	0.00	0.02	Vel.< 0.3 m/s
NT67	NT68	53.79	DN100	4.91159	0.24	0.59	
NT69	NT81	11.78	DN100	-16.73755	-0.49	-2.01	
NT70	NT81	13.62	DN100	-16.21334	-0.53	-1.95	
NT71	NT72	9.20	DN100	4.01960	0.03	0.48	
NT75	NT80	5.95	DN100	-12.77172	-0.15	-1.53	
NT76	NT80	5.95	DN100	-9.73859	-0.09	-1.17	
NT78	NT79	16.02	DN100	4.57290	0.06	0.55	
NT80	SG2	30.07	DN150	-22.51031	-0.31	-1.22	
NT81	SG3	38.53	DN150	-32.95088	-0.79	-1.78	
NT82	NT83	29.12	DN250	-33.26471	-0.05	-0.66	
NT83	NT84	34.65	DN250	-33.26470	-0.06	-0.66	
NT84	NT85	26.41	DN250	-33.26471	-0.05	-0.66	
NT85	NT86	185.68	DN250	-33.26468	-0.33	-0.66	
NT86	NT87	82.40	DN250	-33.26469	-0.15	-0.66	
NT87	NT89	23.72	DN250	-33.26471	-0.04	-0.66	
NT89	NT90	59.94	DN250	-33.26470	-0.11	-0.66	
NT90	NT91	88.50	DN250	-33.26469	-0.16	-0.66	
NT91	NT92	102.27	DN250	-33.26469	-0.18	-0.66	
NT92	NT93	39.08	DN250	-33.26470	-0.07	-0.66	
NT93	NT94	27.64	DN250	-33.26471	-0.05	-0.66	
NT94	SG4	16.46	DN250	-33.26471	-0.03	-0.66	

Combinaciones: H10+H11

Inicio	Final	Longitud m	Diámetros mm	Caudal l/s	Périd. m.c.a.	Velocidad m/s	Coment.
BR39	NC39	25.31	DN100	-2.99606	-0.05	-0.36	Vel.< 0.3 m/s
BR39	NC40	20.66	DN100	2.99606	0.04	0.36	
BR48	NT21	7.01	DN100	-4.61098	-0.03	-0.55	
BR48	NT22	18.49	DN100	4.61098	0.07	0.55	
BR52	NC59	11.31	DN100	-2.31031	-0.01	-0.28	
BR52	NC60	9.90	DN100	2.31031	0.01	0.28	
BR64	NC104	12.64	DN100	-2.44052	-0.02	-0.29	
BR64	NC105	2.50	DN100	0.00000	-0.00	0.00	
BR65	NC102	12.59	DN100	-2.51052	-0.02	-0.30	
BR65	NC103	2.17	DN100	2.51052	0.00	0.30	
BR88	NC127	11.50	DN100	-1.59146	-0.01	-0.19	Vel.< 0.3 m/s
BR88	NC128	3.49	DN100	1.59146	0.00	0.19	
BR89	NC125	11.53	DN100	-1.66146	-0.01	-0.20	
BR89	NC126	3.70	DN100	1.66146	0.00	0.20	
BR92	NC120	7.89	DN100	-3.86685	-0.02	-0.46	
BR92	NC121	7.07	DN100	3.86685	0.02	0.46	
BR93	NC118	8.00	DN100	-3.93685	-0.02	-0.47	
BR93	NC119	7.14	DN100	3.93685	0.02	0.47	
BR99	H9	21.39	DN100	-2.30423	-0.02	-0.28	Vel.< 0.3 m/s

BR99	NT51	6.66	DN100	2.30423	0.01	0.28	Vel.< 0.3 m/s
BR107	NC181	4.70	DN100	0.55515	0.00	0.07	Vel.< 0.3 m/s
BR107	NT55	6.01	DN100	-0.55515	-0.00	-0.07	Vel.< 0.3 m/s
BR115	NC169	2.77	DN100	1.77655	0.00	0.21	Vel.< 0.3 m/s
BR115	NC170	12.41	DN100	-1.77655	-0.01	-0.21	Vel.< 0.3 m/s
H1	NC1	9.98	DN100	7.18597	0.09	0.86	
H1	NT2	10.61	DN100	-7.18597	-0.09	-0.86	
H2	NC8	18.03	DN100	-2.54356	-0.02	-0.31	
H2	NT5	5.47	DN100	2.54356	0.01	0.31	
H3	NC13	5.44	DN100	-0.28358	-0.00	-0.03	Vel.< 0.3 m/s
H3	NT7	3.12	DN100	0.28358	0.00	0.03	Vel.< 0.3 m/s
H4	NC62	31.11	DN250	18.33866	0.02	0.36	
H4	NT18	7.10	DN250	-18.33867	-0.00	-0.36	
H5	N11	28.66	DN100	-0.60155	-0.00	-0.07	Vel.< 0.3 m/s
H5	N12	2.54	DN100	0.60155	0.00	0.07	Vel.< 0.3 m/s
H6	NC77	7.27	DN100	1.75931	0.01	0.21	Vel.< 0.3 m/s
H6	NC78	15.27	DN100	-1.75931	-0.01	-0.21	Vel.< 0.3 m/s
H7	N10	13.86	DN100	3.39768	0.03	0.41	
H7	NT31	15.24	DN100	-3.39768	-0.03	-0.41	
H8	N23	27.84	DN100	3.86013	0.08	0.46	
H8	N24	2.91	DN100	-3.86013	-0.01	-0.46	
H9	N71	8.63	DN100	-2.30423	-0.01	-0.28	Vel.< 0.3 m/s
H10	N82	6.56	DN100	-1.08277	-0.00	-0.13	Vel.< 0.3 m/s
H10	NC192	15.26	DN100	-15.51724	-0.55	-1.86	
H11	N38	25.00	DN100	-0.21315	-0.00	-0.03	Vel.< 0.3 m/s
H11	N39	5.06	DN100	-16.38686	-0.20	-1.97	
H12	NC198	7.06	DN100	6.28394	0.05	0.75	
H12	NT69	34.08	DN100	-6.28394	-0.23	-0.75	
H13	NC250	6.92	DN100	4.49351	0.03	0.54	
H13	NC251	9.77	DN100	-4.49351	-0.04	-0.54	
H14	N53	22.21	DN100	-9.35919	-0.32	-1.12	
H14	N58	8.16	DN100	9.35920	0.12	1.12	
N1	NC23	28.40	DN100	1.54802	0.02	0.19	Vel.< 0.3 m/s
N1	NC24	15.62	DN100	-1.54802	-0.01	-0.19	Vel.< 0.3 m/s
N2	NC21	11.08	DN100	0.98802	0.00	0.12	Vel.< 0.3 m/s
N2	NC22	24.47	DN100	-0.98802	-0.01	-0.12	Vel.< 0.3 m/s
N3	NC33	21.20	DN100	0.29578	0.00	0.04	Vel.< 0.3 m/s
N3	NC34	12.38	DN100	-0.29578	-0.00	-0.04	Vel.< 0.3 m/s
N4	NC35	8.76	DN100	1.62578	0.01	0.20	Vel.< 0.3 m/s
N4	NC36	18.71	DN100	-1.62578	-0.01	-0.20	Vel.< 0.3 m/s
N5	NC37	25.14	DN100	3.03108	0.05	0.36	
N5	NT13	6.22	DN100	-3.03108	-0.01	-0.36	
N6	NC9	49.73	DN100	-2.18393	-0.05	-0.26	Vel.< 0.3 m/s
N6	NC10	4.11	DN100	2.18393	0.00	0.26	Vel.< 0.3 m/s
N7	N8	30.01	DN100	-1.10608	-0.01	-0.13	Vel.< 0.3 m/s
N7	NC13	4.29	DN100	1.10608	0.00	0.13	Vel.< 0.3 m/s

N8	NC14	3.43	DN100	-1.10608	-0.00	-0.13	Vel.< 0.3 m/s
N9	NC16	9.67	DN100	3.57358	0.02	0.43	
N9	NT17	9.23	DN100	-3.57358	-0.02	-0.43	
N10	NC82	3.91	DN100	3.39769	0.01	0.41	
N11	NC71	1.66	DN100	-0.60155	-0.00	-0.07	Vel.< 0.3 m/s
N12	NC70	28.65	DN100	0.60155	0.00	0.07	Vel.< 0.3 m/s
N13	NC69	9.68	DN100	0.00000	0.00	0.00	Vel.< 0.3 m/s
N13	NC70	1.36	DN100	0.00000	-0.00	0.00	Vel.< 0.3 m/s
N14	N15	30.01	DN100	-0.55345	-0.00	-0.07	Vel.< 0.3 m/s
N14	NC69	20.34	DN100	0.55345	0.00	0.07	Vel.< 0.3 m/s
N15	NC68	19.49	DN100	-0.55345	-0.00	-0.07	Vel.< 0.3 m/s
N16	NT20	13.46	DN100	-4.53135	-0.05	-0.54	
N16	NT21	26.25	DN100	4.53135	0.10	0.54	
N17	NT18	4.50	DN100	-7.97230	-0.05	-0.96	
N17	NT19	20.61	DN150	7.97230	0.03	0.43	
N18	N19	30.00	DN100	-1.99631	-0.03	-0.24	Vel.< 0.3 m/s
N18	NT33	1.22	DN100	1.99631	0.00	0.24	Vel.< 0.3 m/s
N19	NT39	21.29	DN100	-1.99631	-0.02	-0.24	Vel.< 0.3 m/s
N20	NC115	7.00	DN100	4.07685	0.02	0.49	
N20	NT39	12.08	DN100	-4.07685	-0.04	-0.49	
N21	NC116	7.97	DN100	-4.00685	-0.02	-0.48	
N21	NC117	7.11	DN100	4.00685	0.02	0.48	
N22	NC122	7.96	DN100	-3.79685	-0.02	-0.46	
N22	NT40	5.05	DN100	3.79685	0.01	0.46	
N23	NT38	4.65	DN100	3.86013	0.01	0.46	
N24	NT44	13.63	DN100	-3.86013	-0.04	-0.46	
N25	NC135	8.58	DN100	0.08360	0.00	0.01	Vel.< 0.3 m/s
N25	NC136	6.36	DN100	-0.08360	-0.00	-0.01	Vel.< 0.3 m/s
N26	NC133	8.63	DN100	0.00000	0.00	0.00	Vel.< 0.3 m/s
N26	NC134	6.43	DN100	0.00000	-0.00	0.00	Vel.< 0.3 m/s
N27	NC131	8.59	DN100	-0.05640	-0.00	-0.01	Vel.< 0.3 m/s
N27	NC132	6.40	DN100	0.05640	0.00	0.01	Vel.< 0.3 m/s
N28	NT37	22.80	DN100	3.75078	0.06	0.45	
N28	NT43	26.20	DN100	-3.75078	-0.07	-0.45	
N29	N30	26.90	DN100	-4.83914	-0.12	-0.58	
N29	NT50	4.00	DN100	4.83914	0.02	0.58	
N30	NT56	18.31	DN100	-4.83914	-0.08	-0.58	
N31	NT49	24.01	DN100	2.03080	0.02	0.24	Vel.< 0.3 m/s
N31	NT55	25.00	DN100	-2.03080	-0.02	-0.24	Vel.< 0.3 m/s
N32	NC183	11.20	DN100	2.63845	0.02	0.32	
N32	NC184	3.84	DN100	-2.63845	-0.01	-0.32	
N33	NC185	11.17	DN100	2.70845	0.02	0.33	
N33	NC186	3.89	DN100	-2.70845	-0.01	-0.33	
N34	NC187	11.27	DN100	2.77845	0.02	0.33	
N34	NC188	3.84	DN100	-2.77845	-0.01	-0.33	
N35	N36	29.97	DN100	-7.68759	-0.30	-0.92	

N35	NT56	11.57	DN100	7.68759	0.11	0.92	Vel.< 0.3 m/s	N61	NT72	20.58	DN100	-1.06436	-0.01	-0.13	Vel.< 0.3 m/s
N36	NC193	24.37	DN100	-7.68759	-0.24	-0.92		N61	NT73	28.62	DN100	1.06436	0.01	0.13	Vel.< 0.3 m/s
N37	NC193	5.64	DN100	8.02959	0.06	0.96		N62	NC209	5.13	DN100	3.42256	0.01	0.41	
N37	NT68	6.64	DN100	-8.02959	-0.07	-0.96		N62	NC210	9.54	DN100	-3.42256	-0.02	-0.41	
N38	NC181	25.31	DN100	-0.21315	-0.00	-0.03		N63	N64	30.01	DN100	5.73650	0.17	0.69	
N39	NT65	11.16	DN100	-16.38685	-0.45	-1.97		N63	NT63	14.40	DN100	-5.73650	-0.08	-0.69	
N40	NC249	4.28	DN100	4.45851	0.02	0.54		N64	NT64	5.16	DN100	5.73650	0.03	0.69	
N40	NC250	12.31	DN100	-4.45851	-0.05	-0.54		N65	NC203	26.65	DN100	-8.42990	-0.31	-1.01	
N41	NC251	1.65	DN100	4.52851	0.01	0.54		N65	NT71	24.96	DN100	8.42990	0.29	1.01	
N41	NC252	14.84	DN100	-4.52850	-0.06	-0.54		N66	NT61	31.89	DN100	1.29655	0.01	0.16	Vel.< 0.3 m/s
N42	NC252	14.62	DN100	4.56350	0.06	0.55		N66	NT62	18.12	DN100	-1.29655	-0.01	-0.16	Vel.< 0.3 m/s
N42	NC253	1.62	DN100	-4.56351	-0.01	-0.55		N67	NC200	13.49	DN100	9.70716	0.20	1.17	
N43	NC254	11.88	DN100	4.63351	0.05	0.56		N67	NC201	1.64	DN100	-9.70717	-0.02	-1.17	
N43	NC255	4.37	DN100	-4.63351	-0.02	-0.56		N68	NC202	13.51	DN100	9.77716	0.21	1.17	
N44	NC256	9.37	DN100	4.70351	0.04	0.56		N68	NT70	1.58	DN100	-9.77717	-0.02	-1.17	
N44	NC257	6.85	DN100	-4.70351	-0.03	-0.56		N69	N70	28.09	DN100	1.10825	0.01	0.13	Vel.< 0.3 m/s
N45	NC258	6.77	DN100	4.77351	0.03	0.57		N69	NC190	58.73	DN100	-1.10825	-0.02	-0.13	Vel.< 0.3 m/s
N45	NC259	9.53	DN100	-4.77351	-0.04	-0.57		N70	NT59	7.59	DN100	1.10825	0.00	0.13	Vel.< 0.3 m/s
N46	NC260	4.16	DN100	4.84351	0.02	0.58		N71	N72	30.00	DN100	-2.30423	-0.03	-0.28	Vel.< 0.3 m/s
N46	NC261	20.56	DN100	-4.84350	-0.09	-0.58		N72	NC263	2.39	DN100	-2.30423	-0.00	-0.28	Vel.< 0.3 m/s
N47	NT76	9.30	DN100	-4.87851	-0.04	-0.59		N73	NT45	26.53	DN100	3.81828	0.07	0.46	
N47	NT78	34.62	DN100	4.87850	0.15	0.59		N73	NT51	23.37	DN100	-3.81828	-0.07	-0.46	
N48	NC229	1.91	DN100	5.53392	0.01	0.66		N74	NT39	8.73	DN100	6.07315	0.06	0.73	
N48	NC230	14.38	DN100	-5.53391	-0.08	-0.66		N74	NT45	3.49	DN100	-6.07316	-0.02	-0.73	
N49	NC230	14.58	DN100	5.56891	0.08	0.67		N75	NC163	2.74	DN100	1.56655	0.00	0.19	Vel.< 0.3 m/s
N49	NC231	2.43	DN100	-5.56892	-0.01	-0.67		N75	NC164	12.08	DN100	-1.56655	-0.01	-0.19	Vel.< 0.3 m/s
N50	NC232	11.20	DN100	5.63891	0.06	0.68		N76	NC165	2.78	DN100	1.63655	0.00	0.20	Vel.< 0.3 m/s
N50	NC233	5.43	DN100	-5.63892	-0.03	-0.68		N76	NC166	12.20	DN100	-1.63655	-0.01	-0.20	Vel.< 0.3 m/s
N51	NC234	7.91	DN100	5.70891	0.05	0.69		N77	NC167	2.95	DN100	1.70655	0.00	0.20	Vel.< 0.3 m/s
N51	NC235	8.78	DN100	-5.70891	-0.05	-0.69		N77	NC168	12.23	DN100	-1.70655	-0.01	-0.20	Vel.< 0.3 m/s
N52	NC236	4.59	DN100	5.77892	0.03	0.69		N78	NC171	2.95	DN100	1.84655	0.00	0.22	Vel.< 0.3 m/s
N52	NT75	20.73	DN100	-5.77891	-0.12	-0.69		N78	NT52	10.07	DN100	-1.84655	-0.01	-0.22	Vel.< 0.3 m/s
N53	NT75	9.20	DN100	-9.35920	-0.13	-1.12		N79	N80	26.94	DN100	-1.16546	-0.01	-0.14	Vel.< 0.3 m/s
N54	NC220	6.39	DN100	5.25600	0.03	0.63		N79	NT47	5.52	DN100	1.16546	0.00	0.14	Vel.< 0.3 m/s
N54	NC221	8.67	DN100	-5.25600	-0.04	-0.63		N80	NT53	16.54	DN100	-1.16546	-0.01	-0.14	Vel.< 0.3 m/s
N55	NC222	6.58	DN100	5.32600	0.03	0.64		N81	N82	30.00	DN100	1.08277	0.01	0.13	Vel.< 0.3 m/s
N55	NC223	8.41	DN100	-5.32600	-0.04	-0.64		N81	NT53	13.46	DN100	-1.08277	-0.00	-0.13	Vel.< 0.3 m/s
N56	NC224	6.55	DN100	5.39600	0.03	0.65		N83	NC177	6.22	DN100	2.40572	0.01	0.29	Vel.< 0.3 m/s
N56	NC225	8.35	DN100	-5.39600	-0.04	-0.65		N83	NC178	8.76	DN100	-2.40572	-0.01	-0.29	Vel.< 0.3 m/s
N57	NC226	6.86	DN100	5.46600	0.04	0.66		N84	NC175	6.37	DN100	2.33572	0.01	0.28	Vel.< 0.3 m/s
N57	NC227	8.07	DN100	-5.46600	-0.04	-0.66		N84	NC176	8.73	DN100	-2.33572	-0.01	-0.28	Vel.< 0.3 m/s
N58	NT74	15.12	DN100	9.35919	0.21	1.12		N85	NC19	21.43	DN250	-6.47796	-0.00	-0.13	Vel.< 0.3 m/s
N59	NT73	1.43	DN100	3.85820	0.00	0.46		N85	NT1	6.90	DN250	6.47796	0.00	0.13	Vel.< 0.3 m/s
N59	NT74	13.44	DN100	-3.85820	-0.04	-0.46		N86	NC11	16.46	DN100	-0.53892	-0.00	-0.06	Vel.< 0.3 m/s
N60	NC211	5.54	DN100	3.49256	0.01	0.42		N86	NC12	43.73	DN100	0.53892	0.00	0.06	Vel.< 0.3 m/s
N60	NC212	9.39	DN100	-3.49256	-0.02	-0.42		NC1	NC2	6.20	DN100	6.90598	0.05	0.83	

NC2	NC3	20.17	DN100	6.62597	0.15	0.80	
NC3	NC4	10.34	DN100	6.34597	0.07	0.76	
NC4	NT3	8.89	DN100	6.06597	0.06	0.73	
NC5	NC6	19.26	DN100	4.53856	0.07	0.54	
NC5	NT4	15.87	DN100	-5.20356	-0.08	-0.62	
NC6	NC7	32.83	DN100	3.87356	0.09	0.46	
NC7	NC8	25.40	DN100	3.20856	0.05	0.39	
NC9	NT6	10.76	DN100	-3.00643	-0.02	-0.36	
NC10	NC11	9.44	DN100	1.36143	0.00	0.16	Vel.< 0.3 m/s
NC12	NT7	6.17	DN100	-0.28358	-0.00	-0.03	Vel.< 0.3 m/s
NC14	NC15	8.39	DN100	-1.92858	-0.01	-0.23	Vel.< 0.3 m/s
NC15	NC16	38.52	DN100	-2.75108	-0.06	-0.33	
NC17	NC18	37.56	DN200	62.68559	0.63	1.93	
NC17	NT8	24.61	DN200	-69.68560	-0.51	-2.14	
NC18	NT9	33.27	DN200	55.68560	0.45	1.71	
NC19	NC20	63.32	DN250	-13.47796	-0.02	-0.27	Vel.< 0.3 m/s
NC20	NT9	27.10	DN250	-20.47797	-0.02	-0.40	
NC21	NT2	13.61	DN100	0.70802	0.00	0.08	Vel.< 0.3 m/s
NC22	NC23	5.80	DN100	-1.26802	-0.00	-0.15	Vel.< 0.3 m/s
NC24	NT10	3.68	DN100	-1.82802	-0.00	-0.22	Vel.< 0.3 m/s
NC25	NC26	32.29	DN100	6.78867	0.26	0.81	
NC25	NT10	3.97	DN100	-7.06867	-0.03	-0.85	
NC26	NC27	5.43	DN100	6.50867	0.04	0.78	
NC27	NC28	19.92	DN100	6.22867	0.13	0.75	
NC28	NT11	5.69	DN100	5.94867	0.04	0.71	
NC29	NC30	39.03	DN100	0.21319	0.00	0.03	Vel.< 0.3 m/s
NC29	NT3	8.30	DN100	-0.49319	-0.00	-0.06	Vel.< 0.3 m/s
NC30	NC31	9.30	DN100	-0.06681	-0.00	-0.01	Vel.< 0.3 m/s
NC31	NC32	34.11	DN100	-0.34681	-0.00	-0.04	Vel.< 0.3 m/s
NC32	NT12	9.59	DN100	-0.62681	-0.00	-0.08	Vel.< 0.3 m/s
NC33	NT4	14.20	DN100	-0.36922	-0.00	-0.04	Vel.< 0.3 m/s
NC34	NC35	8.91	DN100	-0.96078	-0.00	-0.12	Vel.< 0.3 m/s
NC36	NT13	5.11	DN100	-2.29078	-0.01	-0.27	Vel.< 0.3 m/s
NC37	NT14	7.31	DN100	2.36608	0.01	0.28	Vel.< 0.3 m/s
NC38	NC39	6.39	DN100	3.66106	0.02	0.44	
NC38	NT14	28.10	DN100	-4.32606	-0.10	-0.52	
NC40	NT15	8.98	DN100	2.33106	0.01	0.28	Vel.< 0.3 m/s
NC41	NC42	40.07	DN100	-1.01494	-0.01	-0.12	Vel.< 0.3 m/s
NC41	NT5	8.82	DN100	0.34994	0.00	0.04	Vel.< 0.3 m/s
NC42	NC43	8.40	DN100	-1.67994	-0.01	-0.20	Vel.< 0.3 m/s
NC43	NC44	38.81	DN100	-2.34494	-0.05	-0.28	Vel.< 0.3 m/s
NC44	NT15	9.18	DN100	-3.00994	-0.02	-0.36	
NC45	NC46	39.50	DN100	-0.93543	-0.01	-0.11	Vel.< 0.3 m/s
NC45	NT6	11.19	DN100	0.11293	0.00	0.01	Vel.< 0.3 m/s
NC46	NC47	7.20	DN100	-1.75793	-0.01	-0.21	Vel.< 0.3 m/s
NC47	NC48	40.77	DN100	-2.58043	-0.06	-0.31	

NC48	NT16	6.61	DN100	-3.40293	-0.02	-0.41	
NC49	NC50	50.40	DN100	1.62446	0.03	0.19	Vel.< 0.3 m/s
NC49	NT16	9.65	DN100	-2.44697	-0.01	-0.29	Vel.< 0.3 m/s
NC50	NC51	17.19	DN100	0.80196	0.00	0.10	Vel.< 0.3 m/s
NC51	NC52	45.91	DN100	-0.02054	-0.00	-0.00	Vel.< 0.3 m/s
NC52	NT17	6.56	DN100	-0.84304	-0.00	-0.10	Vel.< 0.3 m/s
NC53	NC54	24.62	DN100	6.26385	0.17	0.75	
NC53	NT19	5.16	DN100	-6.84135	-0.04	-0.82	
NC54	NC55	3.62	DN100	5.68635	0.02	0.68	
NC55	NC56	21.34	DN100	5.10885	0.10	0.61	
NC56	NT20	1.26	DN100	4.53135	0.00	0.54	
NC57	NC72	31.20	DN100	-0.65713	-0.00	-0.08	Vel.< 0.3 m/s
NC57	NT21	1.09	DN100	0.00000	0.00	0.00	Vel.< 0.3 m/s
NC58	NC59	51.60	DN100	2.73031	0.08	0.33	
NC58	NT23	27.48	DN100	-3.15031	-0.05	-0.38	
NC60	NT24	5.22	DN100	1.89031	0.00	0.23	Vel.< 0.3 m/s
NC61	NT25	28.29	DN100	-0.35310	-0.00	-0.04	Vel.< 0.3 m/s
NC61	NT26	97.13	DN100	-0.38190	-0.00	-0.05	Vel.< 0.3 m/s
NC62	NC63	80.65	DN250	8.33865	0.01	0.16	Vel.< 0.3 m/s
NC63	NC64	49.85	DN250	-1.66137	-0.00	-0.03	Vel.< 0.3 m/s
NC64	NT97	9.70	DN250	-11.66137	-0.00	-0.23	Vel.< 0.3 m/s
NC65	NC66	89.95	DN250	-27.44194	-0.11	-0.54	
NC65	NT97	42.30	DN250	20.44194	0.03	0.40	
NC66	NC67	19.78	DN250	-34.44196	-0.04	-0.68	
NC67	NT57	47.42	DN250	-34.59195	-0.09	-0.68	
NC68	NT19	13.65	DN100	-1.13095	-0.00	-0.14	Vel.< 0.3 m/s
NC71	NT27	11.88	DN100	-1.17905	-0.00	-0.14	Vel.< 0.3 m/s
NC72	NC73	14.24	DN100	-1.23463	-0.01	-0.15	Vel.< 0.3 m/s
NC73	NC74	52.76	DN100	-1.81213	-0.04	-0.22	Vel.< 0.3 m/s
NC74	NT28	11.65	DN100	-2.38964	-0.01	-0.29	Vel.< 0.3 m/s
NC75	NC76	24.83	DN100	-0.91931	-0.01	-0.11	Vel.< 0.3 m/s
NC75	NT22	10.93	DN100	0.49931	0.00	0.06	Vel.< 0.3 m/s
NC76	NC77	41.44	DN100	-1.33931	-0.02	-0.16	Vel.< 0.3 m/s
NC78	NT29	11.09	DN100	-2.17931	-0.01	-0.26	Vel.< 0.3 m/s
NC79	NC80	35.36	DN100	-2.74888	-0.06	-0.33	
NC79	NT24	9.36	DN100	2.32888	0.01	0.28	Vel.< 0.3 m/s
NC80	NC81	17.42	DN100	-3.16888	-0.03	-0.38	
NC81	NT30	10.90	DN100	-3.58888	-0.03	-0.43	
NC82	NT25	33.75	DN100	2.66268	0.05	0.32	
NC83	NC84	42.61	DN100	4.87399	0.19	0.58	
NC83	NT27	17.88	DN100	-5.45149	-0.10	-0.65	
NC84	NC85	10.37	DN100	4.29649	0.04	0.52	
NC85	NC86	35.23	DN100	3.71899	0.09	0.45	
NC86	NT28	7.25	DN100	3.14149	0.01	0.38	
NC87	NC88	18.57	DN100	2.81082	0.03	0.34	
NC87	NT29	26.86	DN100	-3.23082	-0.06	-0.39	

NC88	NC89	22.60	DN100	2.39082	0.03	0.29	Vel.< 0.3 m/s
NC89	NC90	13.93	DN100	1.97082	0.01	0.24	Vel.< 0.3 m/s
NC90	NT30	25.41	DN100	1.55082	0.01	0.19	Vel.< 0.3 m/s
NC91	NT31	23.26	DN100	-1.40064	-0.01	-0.17	Vel.< 0.3 m/s
NC91	NT32	107.19	DN100	0.66564	0.01	0.08	Vel.< 0.3 m/s
NC92	NC93	10.54	DN100	4.12885	0.03	0.50	
NC92	NT33	4.91	DN100	-4.14635	-0.02	-0.50	
NC93	NC94	14.91	DN100	4.09385	0.05	0.49	
NC94	NC95	14.90	DN100	4.05885	0.05	0.49	
NC95	NC96	15.09	DN100	4.02385	0.05	0.48	
NC96	NC97	15.08	DN100	3.98885	0.05	0.48	
NC97	NC98	15.10	DN100	3.95385	0.05	0.47	
NC98	NC99	14.99	DN100	3.91885	0.04	0.47	
NC99	NT34	13.03	DN100	3.88385	0.04	0.47	
NC100	NC101	10.07	DN100	2.58052	0.01	0.31	
NC100	NT35	10.45	DN100	-2.59802	-0.01	-0.31	
NC101	NC102	15.08	DN100	2.54552	0.02	0.31	
NC103	NC104	15.24	DN100	2.47552	0.02	0.30	Vel.< 0.3 m/s
NC105	NC106	14.82	DN100	-0.09448	-0.00	-0.01	Vel.< 0.3 m/s
NC106	NT36	11.82	DN100	-0.12948	-0.00	-0.02	Vel.< 0.3 m/s
NC107	NC108	15.01	DN100	0.50025	0.00	0.06	Vel.< 0.3 m/s
NC107	NT37	12.94	DN100	-0.53525	-0.00	-0.06	Vel.< 0.3 m/s
NC108	NC109	15.05	DN100	0.46525	0.00	0.06	Vel.< 0.3 m/s
NC109	NC110	15.23	DN100	0.43025	0.00	0.05	Vel.< 0.3 m/s
NC110	NC111	14.90	DN100	0.39525	0.00	0.05	Vel.< 0.3 m/s
NC111	NC112	14.93	DN100	0.36025	0.00	0.04	Vel.< 0.3 m/s
NC112	NC113	14.85	DN100	0.32525	0.00	0.04	Vel.< 0.3 m/s
NC113	NC114	12.54	DN100	0.29025	0.00	0.03	Vel.< 0.3 m/s
NC114	NT38	12.09	DN100	0.27275	0.00	0.03	Vel.< 0.3 m/s
NC115	NC116	15.06	DN100	4.04185	0.05	0.49	
NC117	NC118	15.00	DN100	3.97185	0.05	0.48	
NC119	NC120	15.01	DN100	3.90185	0.04	0.47	
NC121	NC122	14.98	DN100	3.83185	0.04	0.46	
NC123	NC124	10.11	DN100	1.73146	0.01	0.21	Vel.< 0.3 m/s
NC123	NT41	10.42	DN100	-1.74896	-0.01	-0.21	Vel.< 0.3 m/s
NC124	NC125	15.08	DN100	1.69646	0.01	0.20	Vel.< 0.3 m/s
NC126	NC127	14.82	DN100	1.62646	0.01	0.20	Vel.< 0.3 m/s
NC128	NC129	14.91	DN100	1.55646	0.01	0.19	Vel.< 0.3 m/s
NC129	NT42	11.79	DN100	1.52146	0.01	0.18	Vel.< 0.3 m/s
NC130	NC131	15.12	DN100	0.09140	0.00	0.01	Vel.< 0.3 m/s
NC130	NT43	13.07	DN100	-0.12640	-0.00	-0.02	Vel.< 0.3 m/s
NC132	NC133	14.98	DN100	0.02140	0.00	0.00	Vel.< 0.3 m/s
NC134	NC135	15.00	DN100	-0.04860	-0.00	-0.01	Vel.< 0.3 m/s
NC136	NC137	13.25	DN100	-0.11860	-0.00	-0.01	Vel.< 0.3 m/s
NC137	NT44	10.07	DN100	-0.13610	-0.00	-0.02	Vel.< 0.3 m/s
NC138	NC139	14.93	DN100	-2.28988	-0.02	-0.27	Vel.< 0.3 m/s

NC138	NT45	8.36	DN100	2.25488	0.01	0.27	Vel.< 0.3 m/s
NC139	NC140	15.08	DN100	-2.32488	-0.02	-0.28	Vel.< 0.3 m/s
NC140	NC141	15.08	DN100	-2.35988	-0.02	-0.28	Vel.< 0.3 m/s
NC141	NC142	14.90	DN100	-2.39488	-0.02	-0.29	Vel.< 0.3 m/s
NC142	NC143	14.89	DN100	-2.42988	-0.02	-0.29	Vel.< 0.3 m/s
NC143	NC144	15.11	DN100	-2.46488	-0.02	-0.30	Vel.< 0.3 m/s
NC144	NC145	15.10	DN100	-2.49988	-0.02	-0.30	
NC145	NC146	15.15	DN100	-2.53488	-0.02	-0.30	
NC146	NT46	13.00	DN100	-2.56988	-0.02	-0.31	
NC147	NC148	11.73	DN100	-0.17660	-0.00	-0.02	Vel.< 0.3 m/s
NC147	NT47	8.80	DN100	0.15910	0.00	0.02	Vel.< 0.3 m/s
NC148	NC149	15.01	DN100	-0.21160	-0.00	-0.03	Vel.< 0.3 m/s
NC149	NC150	14.96	DN100	-0.24660	-0.00	-0.03	Vel.< 0.3 m/s
NC150	NC151	15.08	DN100	-0.28160	-0.00	-0.03	Vel.< 0.3 m/s
NC151	NC152	15.11	DN100	-0.31660	-0.00	-0.04	Vel.< 0.3 m/s
NC152	NC153	14.82	DN100	-0.35160	-0.00	-0.04	Vel.< 0.3 m/s
NC153	NT48	11.83	DN100	-0.38660	-0.00	-0.05	Vel.< 0.3 m/s
NC154	NC155	12.73	DN100	-0.59790	-0.00	-0.07	Vel.< 0.3 m/s
NC154	NT49	7.71	DN100	0.58040	0.00	0.07	Vel.< 0.3 m/s
NC155	NC156	14.81	DN100	-0.63290	-0.00	-0.08	Vel.< 0.3 m/s
NC156	NC157	15.12	DN100	-0.66790	-0.00	-0.08	Vel.< 0.3 m/s
NC157	NC158	14.98	DN100	-0.70290	-0.00	-0.08	Vel.< 0.3 m/s
NC158	NC159	14.92	DN100	-0.73790	-0.00	-0.09	Vel.< 0.3 m/s
NC159	NC160	15.11	DN100	-0.77290	-0.00	-0.09	Vel.< 0.3 m/s
NC160	NC161	14.99	DN100	-0.80790	-0.00	-0.10	Vel.< 0.3 m/s
NC161	NT50	15.50	DN100	-0.84290	-0.00	-0.10	Vel.< 0.3 m/s
NC162	NC163	13.11	DN100	-1.53155	-0.01	-0.18	Vel.< 0.3 m/s
NC162	NT51	13.79	DN100	1.51405	0.01	0.18	Vel.< 0.3 m/s
NC164	NC165	15.15	DN100	-1.60155	-0.01	-0.19	Vel.< 0.3 m/s
NC166	NC167	14.86	DN100	-1.67155	-0.01	-0.20	Vel.< 0.3 m/s
NC168	NC169	15.00	DN100	-1.74155	-0.01	-0.21	Vel.< 0.3 m/s
NC170	NC171	14.72	DN100	-1.81155	-0.01	-0.22	Vel.< 0.3 m/s
NC172	NT52	11.43	DN100	4.41643	0.04	0.53	
NC172	NT60	66.00	DN100	-4.92643	-0.29	-0.59	
NC173	NC174	10.89	DN100	-2.26572	-0.01	-0.27	Vel.< 0.3 m/s
NC173	NT53	9.66	DN100	2.24822	0.01	0.27	Vel.< 0.3 m/s
NC174	NC175	15.17	DN100	-2.30072	-0.02	-0.28	Vel.< 0.3 m/s
NC176	NC177	15.06	DN100	-2.37072	-0.02	-0.28	Vel.< 0.3 m/s
NC178	NC179	14.94	DN100	-2.44072	-0.02	-0.29	Vel.< 0.3 m/s
NC179	NT54	11.53	DN100	-2.47572	-0.01	-0.30	Vel.< 0.3 m/s
NC180	NT54	10.13	DN100	6.35717	0.07	0.76	
NC180	NT64	67.07	DN100	-6.66916	-0.51	-0.80	
NC182	NC183	11.28	DN100	-2.60345	-0.02	-0.31	
NC182	NT55	9.25	DN100	2.58595	0.01	0.31	
NC184	NC185	14.99	DN100	-2.67345	-0.02	-0.32	
NC186	NC187	14.86	DN100	-2.74345	-0.02	-0.33	

NC188	NC189	14.99	DN100	-2.81345	-0.02	-0.34	Vel.< 0.3 m/s Vel.< 0.3 m/s		NC240	NC241	14.91	DN100	-5.63315	-0.08	-0.68		
NC189	NT56	10.84	DN100	-2.84845	-0.02	-0.34			NC241	NC242	14.82	DN100	-5.66815	-0.08	-0.68		
NC190	NC191	29.77	DN100	-1.12575	-0.01	-0.14			NC242	NC243	15.02	DN100	-5.70315	-0.09	-0.68		
NC191	NT60	27.49	DN100	-1.16075	-0.01	-0.14			NC243	NC244	14.96	DN100	-5.73815	-0.09	-0.69		
NC192	NT61	12.22	DN100	-15.82924	-0.46	-1.90			NC244	NC245	14.96	DN100	-5.77315	-0.09	-0.69		
NC194	NC195	22.66	DN100	-6.14394	-0.15	-0.74			NC245	NC246	14.93	DN100	-5.80815	-0.09	-0.70		
NC194	NT59	34.25	DN100	6.10894	0.22	0.73			NC246	NC247	15.15	DN100	-5.84315	-0.09	-0.70		
NC195	NC196	15.01	DN100	-6.17894	-0.10	-0.74			NC247	NC248	14.68	DN100	-5.87815	-0.09	-0.71		
NC196	NC197	14.88	DN100	-6.21394	-0.10	-0.75			NC248	NT76	6.24	DN100	-5.91315	-0.04	-0.71		
NC197	NC198	15.08	DN100	-6.24894	-0.10	-0.75			NC249	NT68	21.13	DN100	4.42350	0.08	0.53		
NC199	NC262	16.69	DN100	-10.98271	-0.32	-1.32			NC253	NC254	16.59	DN100	-4.59850	-0.06	-0.55		
NC199	NT60	29.17	DN100	10.94771	0.55	1.31			NC255	NC256	16.31	DN100	-4.66850	-0.07	-0.56		
NC200	NT61	12.58	DN100	9.67216	0.19	1.16			NC257	NC258	16.39	DN100	-4.73850	-0.07	-0.57		
NC201	NC202	14.89	DN100	-9.74216	-0.23	-1.17			NC259	NC260	16.33	DN100	-4.80850	-0.07	-0.58		
NC203	NT70	0.87	DN100	-8.46491	-0.01	-1.02			NC261	NT79	7.52	DN100	-4.87851	-0.03	-0.59		
NC204	NC205	17.32	DN100	-3.71548	-0.05	-0.45			NC262	NT69	2.12	DN100	-11.01772	-0.04	-1.32		
NC204	NT62	24.58	DN100	3.68048	0.06	0.44			NC263	NT58	3.32	DN100	-2.81423	-0.01	-0.34		
NC205	NC206	17.34	DN100	-3.75049	-0.05	-0.45			NT1	NT2	41.50	DN150	6.47795	0.04	0.35		
NC206	NC207	17.29	DN100	-3.78549	-0.05	-0.45			NT3	NT4	27.71	DN100	5.57278	0.15	0.67		
NC207	NT71	13.38	DN100	-3.82049	-0.04	-0.46			NT5	NT6	15.71	DN100	2.89349	0.03	0.35		
NC208	NC209	14.91	DN100	-3.38756	-0.03	-0.41			NT8	SG1	137.03	DN200	-69.68553	-2.81	-2.14		
NC208	NT63	12.76	DN100	3.35256	0.03	0.40			NT9	NT10	25.53	DN150	8.89669	0.05	0.48		
NC210	NC211	15.32	DN100	-3.45756	-0.04	-0.41			NT9	NT18	38.82	DN250	26.31096	0.05	0.52		
NC212	NC213	12.05	DN100	-3.52756	-0.03	-0.42			NT11	NT12	8.69	DN100	5.94867	0.05	0.71		
NC213	NT72	8.79	DN100	-3.54506	-0.02	-0.43			NT12	NT13	25.40	DN100	5.32186	0.13	0.64		
NC214	NC215	16.79	DN100	-4.76506	-0.07	-0.57			NT14	NT23	37.00	DN100	-1.95998	-0.03	-0.24	Vel.< 0.3 m/s	
NC214	NT64	22.86	DN100	4.73006	0.09	0.57			NT15	NT16	15.70	DN100	2.42871	0.02	0.29	Vel.< 0.3 m/s	
NC215	NC216	17.28	DN100	-4.80006	-0.07	-0.58			NT15	NT24	40.35	DN100	-3.10759	-0.08	-0.37		
NC216	NC217	16.70	DN100	-4.83506	-0.07	-0.58			NT16	NT25	40.35	DN100	-3.42118	-0.09	-0.41		
NC217	NC218	16.85	DN100	-4.87006	-0.07	-0.58			NT17	NT26	38.84	DN100	-4.41661	-0.14	-0.53		
NC218	NC219	16.58	DN100	-4.90506	-0.07	-0.59			NT22	NT23	11.33	DN100	5.11029	0.05	0.61		
NC219	NT73	8.66	DN100	-4.92256	-0.04	-0.59			NT24	NT25	15.70	DN100	1.11160	0.00	0.13	Vel.< 0.3 m/s	
NC220	NT65	12.78	DN100	5.22100	0.06	0.63			NT26	NT32	22.79	DN100	-4.79852	-0.10	-0.58		
NC221	NC222	14.79	DN100	-5.29100	-0.07	-0.63			NT27	NT33	15.31	DN100	2.15004	0.02	0.26	Vel.< 0.3 m/s	
NC223	NC224	15.10	DN100	-5.36100	-0.08	-0.64			NT27	NT97	25.95	DN150	-8.78059	-0.05	-0.48		
NC225	NC226	14.93	DN100	-5.43100	-0.08	-0.65			NT28	NT29	25.40	DN100	4.89070	0.11	0.59		
NC227	NT74	7.89	DN100	-5.50100	-0.04	-0.66			NT28	NT34	14.40	DN100	-4.13885	-0.05	-0.50		
NC228	NC229	16.18	DN100	-5.49891	-0.09	-0.66			NT29	NT35	14.40	DN100	-0.51943	-0.00	-0.06	Vel.< 0.3 m/s	
NC228	NT66	13.53	DN100	5.48141	0.07	0.66			NT30	NT31	14.40	DN100	1.58278	0.01	0.19	Vel.< 0.3 m/s	
NC231	NC232	16.69	DN100	-5.60391	-0.09	-0.67			NT30	NT36	14.40	DN100	-3.62085	-0.04	-0.43		
NC233	NC234	16.63	DN100	-5.67391	-0.10	-0.68			NT31	NT37	14.40	DN100	-3.21554	-0.03	-0.39		
NC235	NC236	16.64	DN100	-5.74391	-0.10	-0.69			NT32	NT38	14.69	DN100	-4.13288	-0.05	-0.50		
NC237	NC238	14.96	DN100	-5.52815	-0.08	-0.66			NT34	NT40	49.00	DN100	-0.25500	-0.00	-0.03	Vel.< 0.3 m/s	
NC237	NT67	12.82	DN100	5.49315	0.07	0.66			NT35	NT41	49.00	DN100	-3.11744	-0.10	-0.37		
NC238	NC239	14.97	DN100	-5.56315	-0.08	-0.67			NT36	NT42	49.00	DN100	-3.75033	-0.13	-0.45		
NC239	NC240	15.07	DN100	-5.59815	-0.08	-0.67			NT40	NT41	25.40	DN100	3.54185	0.06	0.43		

NT41	NT47	11.40	DN100	-1.32456	-0.00	-0.16	Vel.< 0.3 m/s
NT42	NT43	14.40	DN80	1.26597	0.02	0.23	Vel.< 0.3 m/s
NT42	NT48	11.40	DN80	-3.49484	-0.07	-0.64	
NT43	NT49	11.40	DN100	-2.61121	-0.02	-0.31	
NT44	NT50	11.42	DN100	-3.99624	-0.03	-0.48	
NT46	NT52	49.00	DN100	-2.56988	-0.07	-0.31	
NT48	NT54	49.00	DN100	-3.88144	-0.14	-0.47	
NT57	NT58	25.07	DN150	-4.40296	-0.01	-0.24	Vel.< 0.3 m/s
NT57	NT82	92.44	DN250	-30.18898	-0.14	-0.60	
NT58	NT59	34.49	DN100	-7.21719	-0.30	-0.87	
NT60	NT61	25.91	DN100	4.86054	0.11	0.58	
NT62	NT63	9.49	DN100	2.38394	0.01	0.29	Vel.< 0.3 m/s
NT64	NT65	14.53	DN80	3.79739	0.11	0.69	
NT65	NT66	49.45	DN100	-7.36847	-0.45	-0.88	
NT66	NT67	9.42	DN100	-1.88706	-0.01	-0.23	Vel.< 0.3 m/s
NT67	NT68	53.79	DN100	3.60608	0.14	0.43	
NT69	NT81	11.78	DN100	-17.30165	-0.52	-2.08	
NT70	NT81	13.62	DN100	-18.24205	-0.66	-2.19	Vel.máx.
NT71	NT72	9.20	DN100	4.60942	0.04	0.55	
NT75	NT80	5.95	DN100	-15.13811	-0.20	-1.82	
NT76	NT80	5.95	DN100	-10.79165	-0.11	-1.30	
NT78	NT79	16.02	DN100	4.87850	0.07	0.59	
NT80	SG2	30.07	DN150	-25.92975	-0.40	-1.40	
NT81	SG3	38.53	DN150	-35.54369	-0.91	-1.92	
NT82	NT83	29.12	DN250	-30.18900	-0.04	-0.60	
NT83	NT84	34.65	DN250	-30.18899	-0.05	-0.60	
NT84	NT85	26.41	DN250	-30.18900	-0.04	-0.60	
NT85	NT86	185.68	DN250	-30.18898	-0.28	-0.60	
NT86	NT87	82.40	DN250	-30.18898	-0.12	-0.60	
NT87	NT89	23.72	DN250	-30.18900	-0.04	-0.60	
NT89	NT90	59.94	DN250	-30.18899	-0.09	-0.60	
NT90	NT91	88.50	DN250	-30.18898	-0.13	-0.60	
NT91	NT92	102.27	DN250	-30.18898	-0.15	-0.60	
NT92	NT93	39.08	DN250	-30.18899	-0.06	-0.60	
NT93	NT94	27.64	DN250	-30.18900	-0.04	-0.60	
NT94	SG4	16.46	DN250	-30.18900	-0.02	-0.60	

Listado de elementos

No hay elementos para listar.

ENVOLVENTE

Se indican los máximos de los valores absolutos.

Envolvente de máximos

Inicio	Final	Longitud m	Diámetros mm	Caudal l/s	Périd. m.c.a.	Velocidad m/s
BR39	NC39	25.31	DN100	9.12509	0.34	1.10
BR39	NC40	20.66	DN100	7.41376	0.19	0.89
BR48	NT21	7.01	DN100	9.71798	0.11	1.17
BR48	NT22	18.49	DN100	8.97438	0.24	1.08
BR52	NC59	11.31	DN100	6.03297	0.07	0.72
BR52	NC60	9.90	DN100	5.50337	0.05	0.66
BR64	NC104	12.64	DN100	4.64070	0.05	0.56
BR64	NC105	2.50	DN100	2.14069	0.00	0.26
BR65	NC102	12.59	DN100	5.38346	0.07	0.65
BR65	NC103	2.17	DN100	4.71070	0.01	0.57
BR88	NC127	11.50	DN100	3.75949	0.03	0.45
BR88	NC128	3.49	DN100	3.75949	0.01	0.45
BR89	NC125	11.53	DN100	4.73211	0.05	0.57
BR89	NC126	3.70	DN100	3.82949	0.01	0.46
BR92	NC120	7.89	DN100	4.96986	0.04	0.60
BR92	NC121	7.07	DN100	4.96986	0.03	0.60
BR93	NC118	8.00	DN100	5.03986	0.04	0.60
BR93	NC119	7.14	DN100	5.03986	0.03	0.60
BR99	H9	21.39	DN100	11.43087	0.44	1.37
BR99	NT51	6.66	DN100	8.06914	0.07	0.97
BR107	NC181	4.70	DN100	14.82284	0.16	1.78
BR107	NT55	6.01	DN100	12.09619	0.14	1.45
BR115	NC169	2.77	DN100	5.01302	0.01	0.60
BR115	NC170	12.41	DN100	6.24114	0.08	0.75
H1	NC1	9.98	DN100	11.38615	0.20	1.37
H1	NT2	10.61	DN100	21.34737	0.69	2.56
H2	NC8	18.03	DN100	10.27789	0.30	1.23
H2	NT5	5.47	DN100	10.60426	0.10	1.27
H3	NC13	5.44	DN100	10.55294	0.10	1.27
H3	NT7	3.12	DN100	7.85333	0.03	0.94
H4	NC62	31.11	DN250	22.86696	0.03	0.45
H4	NT18	7.10	DN250	24.29312	0.01	0.48
H5	N11	28.66	DN100	11.47590	0.59	1.38
H5	N12	2.54	DN100	5.34515	0.01	0.64
H6	NC77	7.27	DN100	5.99394	0.05	0.72
H6	NC78	15.27	DN100	12.38138	0.36	1.49
H7	N10	13.86	DN100	8.72214	0.17	1.05
H7	NT31	15.24	DN100	15.50897	0.55	1.86
H8	N23	27.84	DN100	10.92042	0.52	1.31
H8	N24	2.91	DN100	15.19197	0.10	1.82
H9	N71	8.63	DN100	11.43087	0.18	1.37
H10	N82	6.56	DN100	12.62858	0.16	1.52
H10	NC192	15.26	DN100	16.75391	0.63	2.01

H11	N38	25.00	DN100	15.16482	0.86	1.82	N23	NT38	4.65	DN100	10.92043	0.09	1.31
H11	N39	5.06	DN100	18.54701	0.25	2.23	N24	NT44	13.63	DN100	15.19196	0.47	1.82
H12	NC198	7.06	DN100	10.57539	0.13	1.27	N25	NC135	8.58	DN100	3.52998	0.02	0.42
H12	NT69	34.08	DN100	15.14615	1.17	1.82	N25	NC136	6.36	DN100	3.52998	0.02	0.42
H13	NC250	6.92	DN100	9.37810	0.10	1.13	N26	NC133	8.63	DN100	3.59998	0.02	0.43
H13	NC251	9.77	DN100	8.00429	0.10	0.96	N26	NC134	6.43	DN100	3.59998	0.02	0.43
H14	N53	22.21	DN100	15.33891	0.78	1.84	N27	NC131	8.59	DN100	3.66998	0.02	0.44
H14	N58	8.16	DN100	13.07855	0.21	1.57	N27	NC132	6.40	DN100	3.66998	0.02	0.44
N1	NC23	28.40	DN100	4.20269	0.09	0.50	N28	NT37	22.80	DN100	10.77021	0.42	1.29
N1	NC24	15.62	DN100	4.20269	0.05	0.50	N28	NT43	26.20	DN100	10.77020	0.48	1.29
N2	NC21	11.08	DN100	3.64269	0.03	0.44	N29	N30	26.90	DN100	12.12076	0.61	1.45
N2	NC22	24.47	DN100	3.64269	0.06	0.44	N29	NT50	4.00	DN100	12.12077	0.09	1.45
N3	NC33	21.20	DN100	3.26633	0.04	0.39	N30	NT56	18.31	DN100	12.12076	0.42	1.45
N3	NC34	12.38	DN100	3.26633	0.03	0.39	N31	NT49	24.01	DN100	12.13348	0.55	1.46
N4	NC35	8.76	DN100	4.59634	0.03	0.55	N31	NT55	25.00	DN100	12.13348	0.57	1.46
N4	NC36	18.71	DN100	4.59633	0.07	0.55	N32	NC183	11.20	DN100	4.56743	0.04	0.55
N5	NC37	25.14	DN100	7.48915	0.24	0.90	N32	NC184	3.84	DN100	4.56743	0.01	0.55
N5	NT13	6.22	DN100	7.48916	0.06	0.90	N33	NC185	11.17	DN100	4.63743	0.04	0.56
N6	NC9	49.73	DN100	10.32082	0.85	1.24	N33	NC186	3.89	DN100	4.63743	0.02	0.56
N6	NC10	4.11	DN100	10.32083	0.07	1.24	N34	NC187	11.27	DN100	4.70743	0.05	0.56
N7	N8	30.01	DN100	11.37543	0.61	1.37	N34	NC188	3.84	DN100	4.70743	0.02	0.56
N7	NC13	4.29	DN100	11.37544	0.09	1.37	N35	N36	29.97	DN100	12.68306	0.74	1.52
N8	NC14	3.43	DN100	11.37544	0.07	1.37	N35	NT56	11.57	DN100	12.68307	0.29	1.52
N9	NC16	9.67	DN100	13.84294	0.28	1.66	N36	NC193	24.37	DN100	12.68306	0.60	1.52
N9	NT17	9.23	DN100	13.84294	0.27	1.66	N37	NC193	5.64	DN100	13.36707	0.15	1.60
N10	NC82	3.91	DN100	8.72215	0.05	1.05	N37	NT68	6.64	DN100	13.36707	0.18	1.60
N11	NC71	1.66	DN100	11.47591	0.03	1.38	N38	NC181	25.31	DN100	15.16482	0.87	1.82
N12	NC70	28.65	DN100	5.34515	0.15	0.64	N39	NT65	11.16	DN100	18.54700	0.56	2.23
N13	NC69	9.68	DN100	5.92265	0.06	0.71	N40	NC249	4.28	DN100	9.41310	0.06	1.13
N13	NC70	1.36	DN100	5.92265	0.01	0.71	N40	NC250	12.31	DN100	9.41310	0.18	1.13
N14	N15	30.01	DN100	6.50015	0.22	0.78	N41	NC251	1.65	DN100	8.03930	0.02	0.96
N14	NC69	20.34	DN100	6.50015	0.15	0.78	N41	NC252	14.84	DN100	8.03929	0.16	0.96
N15	NC68	19.49	DN100	6.50015	0.14	0.78	N42	NC252	14.62	DN100	8.07429	0.16	0.97
N16	NT20	13.46	DN100	8.19824	0.15	0.98	N42	NC253	1.62	DN100	8.07430	0.02	0.97
N16	NT21	26.25	DN100	8.19823	0.29	0.98	N43	NC254	11.88	DN100	8.14429	0.13	0.98
N17	NT18	4.50	DN100	13.60609	0.13	1.63	N43	NC255	4.37	DN100	8.14429	0.05	0.98
N17	NT19	20.61	DN150	13.60609	0.08	0.74	N44	NC256	9.37	DN100	8.21429	0.10	0.99
N18	N19	30.00	DN100	8.07245	0.33	0.97	N44	NC257	6.85	DN100	8.21429	0.08	0.99
N18	NT33	1.22	DN100	8.07246	0.01	0.97	N45	NC258	6.77	DN100	8.28429	0.08	0.99
N19	NT39	21.29	DN100	8.07246	0.23	0.97	N45	NC259	9.53	DN100	8.28429	0.11	0.99
N20	NC115	7.00	DN100	5.17986	0.03	0.62	N46	NC260	4.16	DN100	8.35429	0.05	1.00
N20	NT39	12.08	DN100	5.17986	0.06	0.62	N46	NC261	20.56	DN100	8.35429	0.24	1.00
N21	NC116	7.97	DN100	5.10986	0.04	0.61	N47	NT76	9.30	DN100	8.38929	0.11	1.01
N21	NC117	7.11	DN100	5.10986	0.03	0.61	N47	NT78	34.62	DN100	8.38929	0.40	1.01
N22	NC122	7.96	DN100	4.89986	0.03	0.59	N48	NC229	1.91	DN100	7.57810	0.02	0.91
N22	NT40	5.05	DN100	4.89986	0.02	0.59	N48	NC230	14.38	DN100	7.57809	0.14	0.91

N49	NC230	14.58	DN100	7.64809	0.14	0.92
N49	NC231	2.43	DN100	7.64810	0.02	0.92
N50	NC232	11.20	DN100	7.78809	0.11	0.93
N50	NC233	5.43	DN100	7.78810	0.06	0.93
N51	NC234	7.91	DN100	7.92809	0.08	0.95
N51	NC235	8.78	DN100	7.92809	0.09	0.95
N52	NC236	4.59	DN100	8.06810	0.05	0.97
N52	NT75	20.73	DN100	8.06809	0.22	0.97
N53	NT75	9.20	DN100	15.33891	0.32	1.84
N54	NC220	6.39	DN100	5.90006	0.04	0.71
N54	NC221	8.67	DN100	5.90006	0.05	0.71
N55	NC222	6.58	DN100	6.04006	0.04	0.72
N55	NC223	8.41	DN100	6.04006	0.05	0.72
N56	NC224	6.55	DN100	6.18006	0.04	0.74
N56	NC225	8.35	DN100	6.18006	0.06	0.74
N57	NC226	6.86	DN100	6.32006	0.05	0.76
N57	NC227	8.07	DN100	6.32006	0.06	0.76
N58	NT74	15.12	DN100	13.07855	0.40	1.57
N59	NT73	1.43	DN100	6.68850	0.01	0.80
N59	NT74	13.44	DN100	6.68849	0.10	0.80
N60	NC211	5.54	DN100	5.04723	0.03	0.61
N60	NC212	9.39	DN100	5.04723	0.04	0.61
N61	NT72	20.58	DN100	6.29933	0.14	0.76
N61	NT73	28.62	DN100	6.29932	0.20	0.76
N62	NC209	5.13	DN100	4.90723	0.02	0.59
N62	NC210	9.54	DN100	4.90723	0.04	0.59
N63	N64	30.01	DN100	7.02407	0.25	0.84
N63	NT63	14.40	DN100	7.02407	0.12	0.84
N64	NT64	5.16	DN100	7.02407	0.04	0.84
N65	NC203	26.65	DN100	10.02203	0.43	1.20
N65	NT71	24.96	DN100	10.02203	0.40	1.20
N66	NT61	31.89	DN100	5.04023	0.15	0.60
N66	NT62	18.12	DN100	5.04023	0.08	0.60
N67	NC200	13.49	DN100	12.79815	0.34	1.54
N67	NC201	1.64	DN100	12.79816	0.04	1.54
N68	NC202	13.51	DN100	12.93815	0.35	1.55
N68	NT70	1.58	DN100	12.93817	0.04	1.55
N69	N70	28.09	DN100	5.95310	0.18	0.71
N69	NC190	58.73	DN100	5.95310	0.37	0.71
N70	NT59	7.59	DN100	5.95310	0.05	0.71
N71	N72	30.00	DN100	11.43087	0.61	1.37
N72	NC263	2.39	DN100	11.43088	0.05	1.37
N73	NT45	26.53	DN100	6.83570	0.21	0.82
N73	NT51	23.37	DN100	6.83570	0.19	0.82
N74	NT39	8.73	DN100	12.06926	0.20	1.45
N74	NT45	3.49	DN100	12.06927	0.08	1.45

N75	NC163	2.74	DN100	4.59302	0.01	0.55
N75	NC164	12.08	DN100	4.59302	0.05	0.55
N76	NC165	2.78	DN100	4.73302	0.01	0.57
N76	NC166	12.20	DN100	4.73302	0.05	0.57
N77	NC167	2.95	DN100	4.87302	0.01	0.58
N77	NC168	12.23	DN100	4.87302	0.05	0.58
N78	NC171	2.95	DN100	6.31114	0.02	0.76
N78	NT52	10.07	DN100	6.31114	0.07	0.76
N79	N80	26.94	DN100	12.27792	0.63	1.47
N79	NT47	5.52	DN100	12.27793	0.13	1.47
N80	NT53	16.54	DN100	12.27792	0.39	1.47
N81	N82	30.00	DN100	12.62857	0.74	1.52
N81	NT53	13.46	DN100	12.62858	0.33	1.52
N83	NC177	6.22	DN100	3.14643	0.01	0.38
N83	NC178	8.76	DN100	3.14643	0.02	0.38
N84	NC175	6.37	DN100	3.07643	0.01	0.37
N84	NC176	8.73	DN100	3.07643	0.02	0.37
N85	NC19	21.43	DN250	17.98470	0.01	0.35
N85	NT1	6.90	DN250	17.98471	0.00	0.35
N86	NC11	16.46	DN100	8.67582	0.20	1.04
N86	NC12	43.73	DN100	8.67582	0.54	1.04
NC1	NC2	6.20	DN100	11.10615	0.12	1.33
NC2	NC3	20.17	DN100	10.82614	0.37	1.30
NC3	NC4	10.34	DN100	10.54615	0.18	1.27
NC4	NT3	8.89	DN100	10.26615	0.15	1.23
NC5	NC6	19.26	DN100	12.27289	0.45	1.47
NC5	NT4	15.87	DN100	12.93789	0.41	1.55
NC6	NC7	32.83	DN100	11.60789	0.69	1.39
NC7	NC8	25.40	DN100	10.94289	0.48	1.31
NC9	NT6	10.76	DN100	11.14332	0.21	1.34
NC10	NC11	9.44	DN100	9.49832	0.14	1.14
NC12	NT7	6.17	DN100	7.85333	0.06	0.94
NC14	NC15	8.39	DN100	12.19794	0.19	1.46
NC15	NC16	38.52	DN100	13.02043	1.00	1.56
NC17	NC18	37.56	DN200	91.55673	1.29	2.81
NC17	NT8	24.61	DN200	105.55674	1.10	3.24
NC18	NT9	33.27	DN200	77.55675	0.83	2.38
NC19	NC20	63.32	DN250	24.98470	0.07	0.49
NC20	NT9	27.10	DN250	37.93627	0.06	0.75
NC21	NT2	13.61	DN100	3.36269	0.03	0.40
NC22	NC23	5.80	DN100	3.92269	0.02	0.47
NC24	NT10	3.68	DN100	4.48269	0.01	0.54
NC25	NC26	32.29	DN100	10.63493	0.58	1.28
NC25	NT10	3.97	DN100	10.95372	0.08	1.31
NC26	NC27	5.43	DN100	10.35494	0.09	1.24
NC27	NC28	19.92	DN100	10.07494	0.32	1.21

NC28	NT11	5.69	DN100	9.79494	0.09	1.18
NC29	NC30	39.03	DN100	2.70704	0.06	0.32
NC29	NT3	8.30	DN100	2.42705	0.01	0.29
NC30	NC31	9.30	DN100	2.98705	0.02	0.36
NC31	NC32	34.11	DN100	3.26704	0.07	0.39
NC32	NT12	9.59	DN100	3.54705	0.02	0.43
NC33	NT4	14.20	DN100	2.60133	0.02	0.31
NC34	NC35	8.91	DN100	3.93133	0.03	0.47
NC36	NT13	5.11	DN100	5.26134	0.03	0.63
NC37	NT14	7.31	DN100	6.82416	0.06	0.82
NC38	NC39	6.39	DN100	9.79010	0.10	1.17
NC38	NT14	28.10	DN100	10.45509	0.49	1.25
NC40	NT15	8.98	DN100	6.91992	0.07	0.83
NC41	NC42	40.07	DN100	8.75776	0.50	1.05
NC41	NT5	8.82	DN100	8.09276	0.10	0.97
NC42	NC43	8.40	DN100	9.42276	0.12	1.13
NC43	NC44	38.81	DN100	10.08776	0.63	1.21
NC44	NT15	9.18	DN100	10.75276	0.17	1.29
NC45	NC46	39.50	DN100	8.38892	0.46	1.01
NC45	NT6	11.19	DN100	7.56642	0.11	0.91
NC46	NC47	7.20	DN100	9.21142	0.10	1.11
NC47	NC48	40.77	DN100	10.03392	0.66	1.20
NC48	NT16	6.61	DN100	10.85643	0.12	1.30
NC49	NC50	50.40	DN100	5.28596	0.25	0.63
NC49	NT16	9.65	DN100	6.10847	0.06	0.73
NC50	NC51	17.19	DN100	4.46346	0.06	0.54
NC51	NC52	45.91	DN100	3.64096	0.12	0.44
NC52	NT17	6.56	DN100	2.81846	0.01	0.34
NC53	NC54	24.62	DN100	9.93073	0.39	1.19
NC53	NT19	5.16	DN100	10.50824	0.09	1.26
NC54	NC55	3.62	DN100	9.35324	0.05	1.12
NC55	NC56	21.34	DN100	8.77573	0.27	1.05
NC56	NT20	1.26	DN100	8.19824	0.01	0.98
NC57	NC72	31.20	DN100	3.05606	0.06	0.37
NC57	NT21	1.09	DN100	2.22168	0.00	0.27
NC58	NC59	51.60	DN100	6.45296	0.37	0.77
NC58	NT23	27.48	DN100	6.87296	0.22	0.82
NC60	NT24	5.22	DN100	5.08337	0.02	0.61
NC61	NT25	28.29	DN100	3.50676	0.07	0.42
NC61	NT26	97.13	DN100	2.77176	0.15	0.33
NC62	NC63	80.65	DN250	12.86694	0.03	0.25
NC63	NC64	49.85	DN250	24.67611	0.05	0.49
NC64	NT97	9.70	DN250	44.67612	0.03	0.88
NC65	NC66	89.95	DN250	64.41194	0.54	1.27
NC65	NT97	42.30	DN250	50.41197	0.16	0.99
NC66	NC67	19.78	DN250	78.41199	0.17	1.55

NC67	NT57	47.42	DN250	78.71195	0.41	1.55
NC68	NT19	13.65	DN100	7.07765	0.12	0.85
NC71	NT27	11.88	DN100	12.05340	0.27	1.45
NC72	NC73	14.24	DN100	4.21106	0.05	0.51
NC73	NC74	52.76	DN100	5.36606	0.27	0.64
NC74	NT28	11.65	DN100	6.52106	0.09	0.78
NC75	NC76	24.83	DN100	5.71622	0.14	0.69
NC75	NT22	10.93	DN100	6.13622	0.07	0.74
NC76	NC77	41.44	DN100	5.29622	0.21	0.64
NC78	NT29	11.09	DN100	12.80138	0.28	1.54
NC79	NC80	35.36	DN100	7.83634	0.36	0.94
NC79	NT24	9.36	DN100	7.41634	0.09	0.89
NC80	NC81	17.42	DN100	8.25634	0.20	0.99
NC81	NT30	10.90	DN100	8.96483	0.14	1.08
NC82	NT25	33.75	DN100	7.87686	0.35	0.95
NC83	NC84	42.61	DN100	7.67682	0.42	0.92
NC83	NT27	17.88	DN100	8.25432	0.20	0.99
NC84	NC85	10.37	DN100	7.09932	0.09	0.85
NC85	NC86	35.23	DN100	6.52182	0.26	0.78
NC86	NT28	7.25	DN100	5.94432	0.05	0.71
NC87	NC88	18.57	DN100	5.69731	0.11	0.68
NC87	NT29	26.86	DN100	6.11731	0.18	0.73
NC88	NC89	22.60	DN100	5.27731	0.11	0.63
NC89	NC90	13.93	DN100	4.85731	0.06	0.58
NC90	NT30	25.41	DN100	4.43731	0.09	0.53
NC91	NT31	23.26	DN100	4.60198	0.09	0.55
NC91	NT32	107.19	DN100	3.86698	0.31	0.46
NC92	NC93	10.54	DN100	5.68460	0.06	0.68
NC92	NT33	4.91	DN100	5.70210	0.03	0.68
NC93	NC94	14.91	DN100	5.64960	0.08	0.68
NC94	NC95	14.90	DN100	5.61460	0.08	0.67
NC95	NC96	15.09	DN100	5.57960	0.08	0.67
NC96	NC97	15.08	DN100	5.54460	0.08	0.67
NC97	NC98	15.10	DN100	5.50960	0.08	0.66
NC98	NC99	14.99	DN100	5.47460	0.08	0.66
NC99	NT34	13.03	DN100	5.43960	0.07	0.65
NC100	NC101	10.07	DN100	5.45346	0.05	0.65
NC100	NT35	10.45	DN100	5.47096	0.06	0.66
NC101	NC102	15.08	DN100	5.41846	0.08	0.65
NC103	NC104	15.24	DN100	4.67569	0.06	0.56
NC105	NC106	14.82	DN100	2.10569	0.01	0.25
NC106	NT36	11.82	DN100	2.07069	0.01	0.25
NC107	NC108	15.01	DN100	4.21503	0.05	0.51
NC107	NT37	12.94	DN100	4.25003	0.04	0.51
NC108	NC109	15.05	DN100	4.18003	0.05	0.50
NC109	NC110	15.23	DN100	4.14503	0.05	0.50

NC110	NC111	14.90	DN100	4.11003	0.05	0.49
NC111	NC112	14.93	DN100	4.07503	0.05	0.49
NC112	NC113	14.85	DN100	4.04003	0.05	0.48
NC113	NC114	12.54	DN100	4.00503	0.04	0.48
NC114	NT38	12.09	DN100	3.98753	0.04	0.48
NC115	NC116	15.06	DN100	5.14486	0.07	0.62
NC117	NC118	15.00	DN100	5.07486	0.07	0.61
NC119	NC120	15.01	DN100	5.00486	0.07	0.60
NC121	NC122	14.98	DN100	4.93486	0.07	0.59
NC123	NC124	10.11	DN100	4.80211	0.04	0.58
NC123	NT41	10.42	DN100	4.81961	0.04	0.58
NC124	NC125	15.08	DN100	4.76711	0.06	0.57
NC126	NC127	14.82	DN100	3.79449	0.04	0.46
NC128	NC129	14.91	DN100	3.72449	0.04	0.45
NC129	NT42	11.79	DN100	3.68949	0.03	0.44
NC130	NC131	15.12	DN100	3.70498	0.04	0.44
NC130	NT43	13.07	DN100	3.73998	0.04	0.45
NC132	NC133	14.98	DN100	3.63498	0.04	0.44
NC134	NC135	15.00	DN100	3.56498	0.04	0.43
NC136	NC137	13.25	DN100	3.49498	0.03	0.42
NC137	NT44	10.07	DN100	3.47748	0.02	0.42
NC138	NC139	14.93	DN100	5.30357	0.08	0.64
NC138	NT45	8.36	DN100	5.23357	0.04	0.63
NC139	NC140	15.08	DN100	5.37357	0.08	0.64
NC140	NC141	15.08	DN100	5.44357	0.08	0.65
NC141	NC142	14.90	DN100	5.51357	0.08	0.66
NC142	NC143	14.89	DN100	5.58357	0.08	0.67
NC143	NC144	15.11	DN100	5.65357	0.09	0.68
NC144	NC145	15.10	DN100	5.72357	0.09	0.69
NC145	NC146	15.15	DN100	5.79357	0.09	0.70
NC146	NT46	13.00	DN100	5.86357	0.08	0.70
NC147	NC148	11.73	DN100	1.88518	0.01	0.23
NC147	NT47	8.80	DN100	1.85018	0.01	0.22
NC148	NC149	15.01	DN100	1.95518	0.01	0.23
NC149	NC150	14.96	DN100	2.02518	0.01	0.24
NC150	NC151	15.08	DN100	2.09518	0.01	0.25
NC151	NC152	15.11	DN100	2.16518	0.02	0.26
NC152	NC153	14.82	DN100	2.23518	0.02	0.27
NC153	NT48	11.83	DN100	2.30518	0.01	0.28
NC154	NC155	12.73	DN100	2.86824	0.02	0.34
NC154	NT49	7.71	DN100	2.88575	0.01	0.35
NC155	NC156	14.81	DN100	2.83324	0.02	0.34
NC156	NC157	15.12	DN100	2.79824	0.02	0.34
NC157	NC158	14.98	DN100	2.76324	0.02	0.33
NC158	NC159	14.92	DN100	2.72824	0.02	0.33
NC159	NC160	15.11	DN100	2.69324	0.02	0.32

NC160	NC161	14.99	DN100	2.65824	0.02	0.32
NC161	NT50	15.50	DN100	2.62324	0.02	0.31
NC162	NC163	13.11	DN100	4.52302	0.05	0.54
NC162	NT51	13.79	DN100	4.48802	0.05	0.54
NC164	NC165	15.15	DN100	4.66302	0.06	0.56
NC166	NC167	14.86	DN100	4.80302	0.06	0.58
NC168	NC169	15.00	DN100	4.94302	0.07	0.59
NC170	NC171	14.72	DN100	6.27614	0.10	0.75
NC172	NT52	11.43	DN100	11.01658	0.22	1.32
NC172	NT60	66.00	DN100	12.03657	1.49	1.44
NC173	NC174	10.89	DN100	3.00643	0.02	0.36
NC173	NT53	9.66	DN100	2.98893	0.02	0.36
NC174	NC175	15.17	DN100	3.04143	0.03	0.37
NC176	NC177	15.06	DN100	3.11143	0.03	0.37
NC178	NC179	14.94	DN100	3.18143	0.03	0.38
NC179	NT54	11.53	DN100	3.21643	0.02	0.39
NC180	NT54	10.13	DN100	11.76923	0.22	1.41
NC180	NT64	67.07	DN100	12.39322	1.60	1.49
NC182	NC183	11.28	DN100	4.53243	0.04	0.54
NC182	NT55	9.25	DN100	4.51493	0.03	0.54
NC184	NC185	14.99	DN100	4.60243	0.06	0.55
NC186	NC187	14.86	DN100	4.67243	0.06	0.56
NC188	NC189	14.99	DN100	4.74243	0.06	0.57
NC189	NT56	10.84	DN100	4.77743	0.05	0.57
NC190	NC191	29.77	DN100	5.98810	0.19	0.72
NC191	NT60	27.49	DN100	6.05810	0.18	0.73
NC192	NT61	12.22	DN100	17.06591	0.53	2.05
NC194	NC195	22.66	DN100	10.29538	0.38	1.24
NC194	NT59	34.25	DN100	10.22538	0.57	1.23
NC195	NC196	15.01	DN100	10.36538	0.26	1.24
NC196	NC197	14.88	DN100	10.43538	0.26	1.25
NC197	NC198	15.08	DN100	10.50538	0.26	1.26
NC199	NC262	16.69	DN100	14.48007	0.53	1.74
NC199	NT60	29.17	DN100	14.41006	0.92	1.73
NC200	NT61	12.58	DN100	12.72815	0.31	1.53
NC201	NC202	14.89	DN100	12.86815	0.38	1.54
NC203	NT70	0.87	DN100	10.09204	0.01	1.21
NC204	NC205	17.32	DN100	5.23561	0.09	0.63
NC204	NT62	24.58	DN100	5.16561	0.12	0.62
NC205	NC206	17.34	DN100	5.30561	0.09	0.64
NC206	NC207	17.29	DN100	5.37561	0.09	0.65
NC207	NT71	13.38	DN100	5.44561	0.07	0.65
NC208	NC209	14.91	DN100	4.83723	0.06	0.58
NC208	NT63	12.76	DN100	4.76723	0.05	0.57
NC210	NC211	15.32	DN100	4.97723	0.07	0.60
NC212	NC213	12.05	DN100	5.11723	0.06	0.61

NC213	NT72	8.79	DN100	5.15223	0.04	0.62	NT12	NT13	25.40	DN100	9.45611	0.37	1.13
NC214	NC215	16.79	DN100	5.79769	0.10	0.70	NT14	NT23	37.00	DN100	6.28308	0.25	0.75
NC214	NT64	22.86	DN100	5.72769	0.13	0.69	NT15	NT16	15.70	DN100	6.09966	0.10	0.73
NC215	NC216	17.28	DN100	5.86769	0.10	0.70	NT15	NT24	40.35	DN100	9.51306	0.59	1.14
NC216	NC217	16.70	DN100	5.93769	0.10	0.71	NT16	NT25	40.35	DN100	10.05876	0.65	1.21
NC217	NC218	16.85	DN100	6.00769	0.11	0.72	NT17	NT26	38.84	DN100	12.42153	0.93	1.49
NC218	NC219	16.58	DN100	6.07769	0.11	0.73	NT22	NT23	11.33	DN100	11.97702	0.25	1.44
NC219	NT73	8.66	DN100	6.11269	0.06	0.73	NT24	NT25	15.70	DN100	5.45274	0.08	0.65
NC220	NT65	12.78	DN100	5.83342	0.08	0.70	NT26	NT32	22.79	DN100	12.78372	0.57	1.53
NC221	NC222	14.79	DN100	5.97006	0.09	0.72	NT27	NT33	15.31	DN100	10.45149	0.27	1.25
NC223	NC224	15.10	DN100	6.11006	0.10	0.73	NT27	NT97	25.95	DN150	19.06612	0.19	1.03
NC225	NC226	14.93	DN100	6.25006	0.10	0.75	NT28	NT29	25.40	DN100	9.58996	0.38	1.15
NC227	NT74	7.89	DN100	6.39006	0.06	0.77	NT28	NT34	14.40	DN100	10.14026	0.24	1.22
NC228	NC229	16.18	DN100	7.50809	0.15	0.90	NT29	NT35	14.40	DN100	6.36107	0.10	0.76
NC228	NT66	13.53	DN100	7.47309	0.13	0.90	NT30	NT31	14.40	DN100	7.43567	0.13	0.89
NC231	NC232	16.69	DN100	7.71809	0.17	0.93	NT30	NT36	14.40	DN100	10.39015	0.25	1.25
NC233	NC234	16.63	DN100	7.85809	0.17	0.94	NT31	NT37	14.40	DN100	9.98706	0.23	1.20
NC235	NC236	16.64	DN100	7.99809	0.18	0.96	NT32	NT38	14.69	DN100	11.17857	0.29	1.34
NC237	NC238	14.96	DN100	7.54723	0.14	0.91	NT34	NT40	49.00	DN100	7.24080	0.44	0.87
NC237	NT67	12.82	DN100	7.47723	0.12	0.90	NT35	NT41	49.00	DN100	9.87389	0.77	1.19
NC238	NC239	14.97	DN100	7.61723	0.15	0.91	NT36	NT42	49.00	DN100	10.86853	0.92	1.30
NC239	NC240	15.07	DN100	7.68723	0.15	0.92	NT40	NT41	25.40	DN100	4.89375	0.11	0.59
NC240	NC241	14.91	DN100	7.75723	0.15	0.93	NT41	NT47	11.40	DN100	14.12810	0.35	1.70
NC241	NC242	14.82	DN100	7.82723	0.15	0.94	NT42	NT43	14.40	DN80	5.57898	0.22	1.02
NC242	NC243	15.02	DN100	7.89723	0.16	0.95	NT42	NT48	11.40	DN80	9.68804	0.48	1.76
NC243	NC244	14.96	DN100	7.96723	0.16	0.96	NT43	NT49	11.40	DN100	12.00368	0.26	1.44
NC244	NC245	14.96	DN100	8.03723	0.16	0.96	NT44	NT50	11.42	DN100	11.72557	0.25	1.41
NC245	NC246	14.93	DN100	8.10723	0.16	0.97	NT46	NT52	49.00	DN100	5.86356	0.30	0.70
NC246	NC247	15.15	DN100	8.17723	0.17	0.98	NT48	NT54	49.00	DN100	11.66488	1.04	1.40
NC247	NC248	14.68	DN100	8.24723	0.17	0.99	NT57	NT58	25.07	DN150	12.81081	0.09	0.69
NC248	NT76	6.24	DN100	8.31723	0.07	1.00	NT57	NT82	92.44	DN250	65.90114	0.58	1.30
NC249	NT68	21.13	DN100	9.44809	0.31	1.13	NT58	NT59	34.49	DN100	16.17847	1.34	1.94
NC253	NC254	16.59	DN100	8.10929	0.18	0.97	NT60	NT61	25.91	DN100	5.38103	0.13	0.65
NC255	NC256	16.31	DN100	8.17929	0.18	0.98	NT62	NT63	9.49	DN100	5.64382	0.05	0.68
NC257	NC258	16.39	DN100	8.24929	0.18	0.99	NT64	NT65	14.53	DN80	5.75718	0.23	1.05
NC259	NC260	16.33	DN100	8.31929	0.19	1.00	NT65	NT66	49.45	DN100	7.89186	0.51	0.95
NC261	NT79	7.52	DN100	8.38929	0.09	1.01	NT66	NT67	9.42	DN100	5.80055	0.06	0.70
NC262	NT69	2.12	DN100	14.55008	0.07	1.75	NT67	NT68	53.79	DN100	11.53552	1.12	1.38
NC263	NT58	3.32	DN100	11.94088	0.07	1.43	NT69	NT81	11.78	DN100	25.12544	1.04	3.02
NT1	NT2	41.50	DN150	17.98469	0.28	0.97	NT70	NT81	13.62	DN100	23.03017	1.02	2.76
NT3	NT4	27.71	DN100	10.58408	0.49	1.27	NT71	NT72	9.20	DN100	7.53744	0.09	0.90
NT5	NT6	15.71	DN100	8.51977	0.19	1.02	NT75	NT80	5.95	DN100	21.14664	0.38	2.54
NT8	SG1	137.03	DN200	105.55661	6.14	3.24	NT76	NT80	5.95	DN100	15.53584	0.21	1.86
NT9	NT10	25.53	DN150	14.29582	0.11	0.77	NT78	NT79	16.02	DN100	8.38929	0.19	1.01
NT9	NT18	38.82	DN250	34.53718	0.07	0.68	NT80	SG2	30.07	DN150	36.68246	0.75	1.98
NT11	NT12	8.69	DN100	9.79494	0.13	1.18	NT81	SG3	38.53	DN150	48.15560	1.61	2.61

NT82	NT83	29.12	DN250	65.90118	0.18	1.30
NT83	NT84	34.65	DN250	65.90117	0.22	1.30
NT84	NT85	26.41	DN250	65.90118	0.17	1.30
NT85	NT86	185.68	DN250	65.90112	1.16	1.30
NT86	NT87	82.40	DN250	65.90115	0.51	1.30
NT87	NT89	23.72	DN250	65.90119	0.15	1.30
NT89	NT90	59.94	DN250	65.90116	0.37	1.30
NT90	NT91	88.50	DN250	65.90115	0.55	1.30
NT91	NT92	102.27	DN250	65.90114	0.64	1.30
NT92	NT93	39.08	DN250	65.90117	0.24	1.30
NT93	NT94	27.64	DN250	65.90118	0.17	1.30
NT94	SG4	16.46	DN250	65.90120	0.10	1.30

Se indican los mínimos de los valores absolutos.

Envolvente de mínimos

Inicio	Final	Longitud m	Diámetros mm	Caudal l/s	Périd. m.c.a.	Velocidad m/s
BR39	NC39	25.31	DN100	1.04963	0.01	0.13
BR39	NC40	20.66	DN100	1.04963	0.01	0.13
BR48	NT21	7.01	DN100	2.30092	0.01	0.28
BR48	NT22	18.49	DN100	2.30092	0.02	0.28
BR52	NC59	11.31	DN100	0.53087	0.00	0.06
BR52	NC60	9.90	DN100	0.53087	0.00	0.06
BR64	NC104	12.64	DN100	0.74368	0.00	0.09
BR64	NC105	2.50	DN100	0.00000	0.00	0.00
BR65	NC102	12.59	DN100	0.81368	0.00	0.10
BR65	NC103	2.17	DN100	0.81368	0.00	0.10
BR88	NC127	11.50	DN100	0.08220	0.00	0.01
BR88	NC128	3.49	DN100	0.08220	0.00	0.01
BR89	NC125	11.53	DN100	0.06556	0.00	0.01
BR89	NC126	3.70	DN100	0.06556	0.00	0.01
BR92	NC120	7.89	DN100	0.89637	0.00	0.11
BR92	NC121	7.07	DN100	0.89637	0.00	0.11
BR93	NC118	8.00	DN100	0.82637	0.00	0.10
BR93	NC119	7.14	DN100	0.82637	0.00	0.10
BR99	H9	21.39	DN100	0.43326	0.00	0.05
BR99	NT51	6.66	DN100	0.43326	0.00	0.05
BR107	NC181	4.70	DN100	0.55515	0.00	0.07
BR107	NT55	6.01	DN100	0.55515	0.00	0.07
BR115	NC169	2.77	DN100	1.77655	0.00	0.21
BR115	NC170	12.41	DN100	1.77655	0.01	0.21
H1	NC1	9.98	DN100	0.19872	0.00	0.02
H1	NT2	10.61	DN100	5.40203	0.06	0.65
H2	NC8	18.03	DN100	0.05205	0.00	0.01

H2	NT5	5.47	DN100	0.05205	0.00	0.01
H3	NC13	5.44	DN100	0.07163	0.00	0.01
H3	NT7	3.12	DN100	0.07163	0.00	0.01
H4	NC62	31.11	DN250	1.01141	0.00	0.02
H4	NT18	7.10	DN250	6.99387	0.00	0.14
H5	N11	28.66	DN100	0.11567	0.00	0.01
H5	N12	2.54	DN100	0.11567	0.00	0.01
H6	NC77	7.27	DN100	1.75931	0.01	0.21
H6	NC78	15.27	DN100	1.75931	0.01	0.21
H7	N10	13.86	DN100	1.09103	0.00	0.13
H7	NT31	15.24	DN100	3.37009	0.03	0.40
H8	N23	27.84	DN100	1.40804	0.01	0.17
H8	N24	2.91	DN100	3.31030	0.01	0.40
H9	N71	8.63	DN100	0.43326	0.00	0.05
H10	N82	6.56	DN100	0.15391	0.00	0.02
H10	NC192	15.26	DN100	6.31347	0.11	0.76
H11	N38	25.00	DN100	0.21315	0.00	0.03
H11	N39	5.06	DN100	6.15116	0.03	0.74
H12	NC198	7.06	DN100	1.45385	0.00	0.17
H12	NT69	34.08	DN100	6.03960	0.22	0.72
H13	NC250	6.92	DN100	3.55861	0.02	0.43
H13	NC251	9.77	DN100	3.55861	0.02	0.43
H14	N53	22.21	DN100	6.93873	0.18	0.83
H14	N58	8.16	DN100	1.26109	0.00	0.15
N1	NC23	28.40	DN100	1.37006	0.01	0.16
N1	NC24	15.62	DN100	1.37006	0.01	0.16
N2	NC21	11.08	DN100	0.81006	0.00	0.10
N2	NC22	24.47	DN100	0.81006	0.00	0.10
N3	NC33	21.20	DN100	0.02804	0.00	0.00
N3	NC34	12.38	DN100	0.02804	0.00	0.00
N4	NC35	8.76	DN100	0.96635	0.00	0.12
N4	NC36	18.71	DN100	0.96635	0.00	0.12
N5	NC37	25.14	DN100	0.39878	0.00	0.05
N5	NT13	6.22	DN100	0.39878	0.00	0.05
N6	NC9	49.73	DN100	0.59361	0.01	0.07
N6	NC10	4.11	DN100	0.59361	0.00	0.07
N7	N8	30.01	DN100	0.57398	0.00	0.07
N7	NC13	4.29	DN100	0.57398	0.00	0.07
N8	NC14	3.43	DN100	0.57398	0.00	0.07
N9	NC16	9.67	DN100	3.04148	0.02	0.37
N9	NT17	9.23	DN100	3.04148	0.02	0.37
N10	NC82	3.91	DN100	1.09103	0.00	0.13
N11	NC71	1.66	DN100	0.00000	0.00	0.00
N12	NC70	28.65	DN100	0.11567	0.00	0.01
N13	NC69	9.68	DN100	0.00000	0.00	0.00
N13	NC70	1.36	DN100	0.00000	0.00	0.00

N14	N15	30.01	DN100	0.04298	0.00	0.01
N14	NC69	20.34	DN100	0.04298	0.00	0.01
N15	NC68	19.49	DN100	0.04298	0.00	0.01
N16	NT20	13.46	DN100	1.07747	0.00	0.13
N16	NT21	26.25	DN100	1.07747	0.01	0.13
N17	NT18	4.50	DN100	4.51063	0.02	0.54
N17	NT19	20.61	DN150	4.51063	0.01	0.24
N18	N19	30.00	DN100	0.66983	0.00	0.08
N18	NT33	1.22	DN100	0.66983	0.00	0.08
N19	NT39	21.29	DN100	0.66983	0.00	0.08
N20	NC115	7.00	DN100	0.68638	0.00	0.08
N20	NT39	12.08	DN100	0.68638	0.00	0.08
N21	NC116	7.97	DN100	0.75638	0.00	0.09
N21	NC117	7.11	DN100	0.75638	0.00	0.09
N22	NC122	7.96	DN100	0.96638	0.00	0.12
N22	NT40	5.05	DN100	0.96638	0.00	0.12
N23	NT38	4.65	DN100	1.40804	0.00	0.17
N24	NT44	13.63	DN100	3.31030	0.03	0.40
N25	NC135	8.58	DN100	0.08150	0.00	0.01
N25	NC136	6.36	DN100	0.08150	0.00	0.01
N26	NC133	8.63	DN100	0.00000	0.00	0.00
N26	NC134	6.43	DN100	0.00000	0.00	0.00
N27	NC131	8.59	DN100	0.05640	0.00	0.01
N27	NC132	6.40	DN100	0.05640	0.00	0.01
N28	NT37	22.80	DN100	3.41487	0.05	0.41
N28	NT43	26.20	DN100	3.41487	0.06	0.41
N29	N30	26.90	DN100	1.14297	0.01	0.14
N29	NT50	4.00	DN100	1.14297	0.00	0.14
N30	NT56	18.31	DN100	1.14297	0.01	0.14
N31	NT49	24.01	DN100	0.03790	0.00	0.00
N31	NT55	25.00	DN100	0.03790	0.00	0.00
N32	NC183	11.20	DN100	0.00000	0.00	0.00
N32	NC184	3.84	DN100	0.00000	0.00	0.00
N33	NC185	11.17	DN100	0.00000	0.00	0.00
N33	NC186	3.89	DN100	0.00000	0.00	0.00
N34	NC187	11.27	DN100	0.02053	0.00	0.00
N34	NC188	3.84	DN100	0.00000	0.00	0.00
N35	N36	29.97	DN100	1.03433	0.01	0.12
N35	NT56	11.57	DN100	1.03433	0.00	0.12
N36	NC193	24.37	DN100	1.03433	0.01	0.12
N37	NC193	5.64	DN100	0.69233	0.00	0.08
N37	NT68	6.64	DN100	0.69233	0.00	0.08
N38	NC181	25.31	DN100	0.21315	0.00	0.03
N39	NT65	11.16	DN100	6.15115	0.07	0.74
N40	NC249	4.28	DN100	3.52361	0.01	0.42
N40	NC250	12.31	DN100	3.52361	0.03	0.42

N41	NC251	1.65	DN100	3.59361	0.00	0.43
N41	NC252	14.84	DN100	3.59361	0.04	0.43
N42	NC252	14.62	DN100	3.62861	0.04	0.44
N42	NC253	1.62	DN100	3.62861	0.00	0.44
N43	NC254	11.88	DN100	3.69861	0.03	0.44
N43	NC255	4.37	DN100	3.69861	0.01	0.44
N44	NC256	9.37	DN100	3.76861	0.03	0.45
N44	NC257	6.85	DN100	3.76861	0.02	0.45
N45	NC258	6.77	DN100	3.83861	0.02	0.46
N45	NC259	9.53	DN100	3.83861	0.03	0.46
N46	NC260	4.16	DN100	3.90861	0.01	0.47
N46	NC261	20.56	DN100	3.90861	0.06	0.47
N47	NT76	9.30	DN100	3.94361	0.03	0.47
N47	NT78	34.62	DN100	3.94361	0.10	0.47
N48	NC229	1.91	DN100	4.20547	0.01	0.50
N48	NC230	14.38	DN100	4.20547	0.05	0.50
N49	NC230	14.58	DN100	4.24047	0.05	0.51
N49	NC231	2.43	DN100	4.24047	0.01	0.51
N50	NC232	11.20	DN100	4.31047	0.04	0.52
N50	NC233	5.43	DN100	4.31047	0.02	0.52
N51	NC234	7.91	DN100	4.38047	0.03	0.53
N51	NC235	8.78	DN100	4.38047	0.03	0.53
N52	NC236	4.59	DN100	4.45047	0.02	0.53
N52	NT75	20.73	DN100	4.45046	0.08	0.53
N53	NT75	9.20	DN100	6.93873	0.08	0.83
N54	NC220	6.39	DN100	1.31510	0.00	0.16
N54	NC221	8.67	DN100	1.31510	0.00	0.16
N55	NC222	6.58	DN100	1.38510	0.00	0.17
N55	NC223	8.41	DN100	1.38510	0.00	0.17
N56	NC224	6.55	DN100	1.45510	0.00	0.17
N56	NC225	8.35	DN100	1.45510	0.00	0.17
N57	NC226	6.86	DN100	1.52510	0.00	0.18
N57	NC227	8.07	DN100	1.52510	0.00	0.18
N58	NT74	15.12	DN100	1.26109	0.01	0.15
N59	NT73	1.43	DN100	2.33060	0.00	0.28
N59	NT74	13.44	DN100	2.33060	0.02	0.28
N60	NC211	5.54	DN100	1.13811	0.00	0.14
N60	NC212	9.39	DN100	1.13811	0.00	0.14
N61	NT72	20.58	DN100	0.20676	0.00	0.02
N61	NT73	28.62	DN100	0.20676	0.00	0.02
N62	NC209	5.13	DN100	1.06811	0.00	0.13
N62	NC210	9.54	DN100	1.06811	0.00	0.13
N63	N64	30.01	DN100	2.03999	0.03	0.24
N63	NT63	14.40	DN100	2.03999	0.01	0.24
N64	NT64	5.16	DN100	2.03999	0.00	0.24
N65	NC203	26.65	DN100	6.08327	0.17	0.73

N65	NT71	24.96	DN100	6.08327	0.16	0.73	NC10	NC11	9.44	DN100	0.65486	0.00	0.08
N66	NT61	31.89	DN100	0.95338	0.01	0.11	NC12	NT7	6.17	DN100	0.07163	0.00	0.01
N66	NT62	18.12	DN100	0.95338	0.00	0.11	NC14	NC15	8.39	DN100	1.39648	0.00	0.17
N67	NC200	13.49	DN100	8.20899	0.15	0.99	NC15	NC16	38.52	DN100	2.21898	0.04	0.27
N67	NC201	1.64	DN100	8.20900	0.02	0.99	NC17	NC18	37.56	DN200	61.04656	0.60	1.88
N68	NC202	13.51	DN100	8.27899	0.15	0.99	NC17	NT8	24.61	DN200	68.04657	0.48	2.09
N68	NT70	1.58	DN100	8.27900	0.02	0.99	NC18	NT9	33.27	DN200	54.04657	0.43	1.66
N69	N70	28.09	DN100	1.10825	0.01	0.13	NC19	NC20	63.32	DN250	11.87197	0.02	0.23
N69	NC190	58.73	DN100	1.10825	0.02	0.13	NC20	NT9	27.10	DN250	18.87198	0.02	0.37
N70	NT59	7.59	DN100	1.10825	0.00	0.13	NC21	NT2	13.61	DN100	0.53006	0.00	0.06
N71	N72	30.00	DN100	0.43326	0.00	0.05	NC22	NC23	5.80	DN100	1.09006	0.00	0.13
N72	NC263	2.39	DN100	0.43326	0.00	0.05	NC24	NT10	3.68	DN100	1.65006	0.00	0.20
N73	NT45	26.53	DN100	2.74909	0.04	0.33	NC25	NC26	32.29	DN100	5.08749	0.15	0.61
N73	NT51	23.37	DN100	2.74909	0.04	0.33	NC25	NT10	3.97	DN100	5.36750	0.02	0.64
N74	NT39	8.73	DN100	0.34672	0.00	0.04	NC26	NC27	5.43	DN100	4.80750	0.02	0.58
N74	NT45	3.49	DN100	0.34672	0.00	0.04	NC27	NC28	19.92	DN100	4.52749	0.08	0.54
N75	NC163	2.74	DN100	1.56655	0.00	0.19	NC28	NT11	5.69	DN100	4.24750	0.02	0.51
N75	NC164	12.08	DN100	1.56655	0.01	0.19	NC29	NC30	39.03	DN100	0.03747	0.00	0.00
N76	NC165	2.78	DN100	1.63655	0.00	0.20	NC29	NT3	8.30	DN100	0.13717	0.00	0.02
N76	NC166	12.20	DN100	1.63655	0.01	0.20	NC30	NC31	9.30	DN100	0.00000	0.00	0.00
N77	NC167	2.95	DN100	1.70655	0.00	0.20	NC31	NC32	34.11	DN100	0.01921	0.00	0.00
N77	NC168	12.23	DN100	1.70655	0.01	0.20	NC32	NT12	9.59	DN100	0.29921	0.00	0.04
N78	NC171	2.95	DN100	1.84655	0.00	0.22	NC33	NT4	14.20	DN100	0.06825	0.00	0.01
N78	NT52	10.07	DN100	1.84655	0.01	0.22	NC34	NC35	8.91	DN100	0.30135	0.00	0.04
N79	N80	26.94	DN100	0.52404	0.00	0.06	NC36	NT13	5.11	DN100	1.63135	0.00	0.20
N79	NT47	5.52	DN100	0.52404	0.00	0.06	NC37	NT14	7.31	DN100	0.09598	0.00	0.01
N80	NT53	16.54	DN100	0.52404	0.00	0.06	NC38	NC39	6.39	DN100	1.71463	0.00	0.21
N81	N82	30.00	DN100	0.15391	0.00	0.02	NC38	NT14	28.10	DN100	2.37963	0.03	0.29
N81	NT53	13.46	DN100	0.15391	0.00	0.02	NC40	NT15	8.98	DN100	0.38463	0.00	0.05
N83	NC177	6.22	DN100	0.00000	0.00	0.00	NC41	NC42	40.07	DN100	0.34591	0.00	0.04
N83	NC178	8.76	DN100	0.00000	0.00	0.00	NC41	NT5	8.82	DN100	0.12601	0.00	0.02
N84	NC175	6.37	DN100	0.00000	0.00	0.00	NC42	NC43	8.40	DN100	0.86429	0.00	0.10
N84	NC176	8.73	DN100	0.00000	0.00	0.00	NC43	NC44	38.81	DN100	0.19929	0.00	0.02
N85	NC19	21.43	DN250	4.87196	0.00	0.10	NC44	NT15	9.18	DN100	0.46571	0.00	0.06
N85	NT1	6.90	DN250	4.87197	0.00	0.10	NC45	NC46	39.50	DN100	0.14120	0.00	0.02
N86	NC11	16.46	DN100	0.09412	0.00	0.01	NC45	NT6	11.19	DN100	0.07369	0.00	0.01
N86	NC12	43.73	DN100	0.09412	0.00	0.01	NC46	NC47	7.20	DN100	0.68130	0.00	0.08
NC1	NC2	6.20	DN100	0.08128	0.00	0.01	NC47	NC48	40.77	DN100	1.50380	0.02	0.18
NC2	NC3	20.17	DN100	0.36128	0.00	0.04	NC48	NT16	6.61	DN100	2.32630	0.01	0.28
NC3	NC4	10.34	DN100	0.64128	0.00	0.08	NC49	NC50	50.40	DN100	0.27673	0.00	0.03
NC4	NT3	8.89	DN100	0.92128	0.00	0.11	NC49	NT16	9.65	DN100	0.54577	0.00	0.07
NC5	NC6	19.26	DN100	1.94296	0.02	0.23	NC50	NC51	17.19	DN100	0.06271	0.00	0.01
NC5	NT4	15.87	DN100	2.60796	0.02	0.31	NC51	NC52	45.91	DN100	0.01892	0.00	0.00
NC6	NC7	32.83	DN100	1.27796	0.01	0.15	NC52	NT17	6.56	DN100	0.16665	0.00	0.02
NC7	NC8	25.40	DN100	0.61296	0.00	0.07	NC53	NC54	24.62	DN100	2.80997	0.04	0.34
NC9	NT6	10.76	DN100	0.22889	0.00	0.03	NC53	NT19	5.16	DN100	3.38747	0.01	0.41

NC54	NC55	3.62	DN100	2.23247	0.00	0.27
NC55	NC56	21.34	DN100	1.65497	0.01	0.20
NC56	NT20	1.26	DN100	1.07747	0.00	0.13
NC57	NC72	31.20	DN100	0.65713	0.00	0.08
NC57	NT21	1.09	DN100	0.00000	0.00	0.00
NC58	NC59	51.60	DN100	0.11087	0.00	0.01
NC58	NT23	27.48	DN100	0.03128	0.00	0.00
NC60	NT24	5.22	DN100	0.16592	0.00	0.02
NC61	NT25	28.29	DN100	0.08119	0.00	0.01
NC61	NT26	97.13	DN100	0.30907	0.00	0.04
NC62	NC63	80.65	DN250	1.17498	0.00	0.02
NC63	NC64	49.85	DN250	0.48963	0.00	0.01
NC64	NT97	9.70	DN250	7.13308	0.00	0.14
NC65	NC66	89.95	DN250	20.26147	0.07	0.40
NC65	NT97	42.30	DN250	13.26146	0.01	0.26
NC66	NC67	19.78	DN250	27.26149	0.02	0.54
NC67	NT57	47.42	DN250	27.41148	0.06	0.54
NC68	NT19	13.65	DN100	0.03477	0.00	0.00
NC71	NT27	11.88	DN100	0.36031	0.00	0.04
NC72	NC73	14.24	DN100	1.23463	0.01	0.15
NC73	NC74	52.76	DN100	1.81213	0.04	0.22
NC74	NT28	11.65	DN100	2.38964	0.01	0.29
NC75	NC76	24.83	DN100	0.91931	0.01	0.11
NC75	NT22	10.93	DN100	0.49931	0.00	0.06
NC76	NC77	41.44	DN100	1.33931	0.02	0.16
NC78	NT29	11.09	DN100	2.17931	0.01	0.26
NC79	NC80	35.36	DN100	2.74888	0.06	0.33
NC79	NT24	9.36	DN100	2.32888	0.01	0.28
NC80	NC81	17.42	DN100	3.16888	0.03	0.38
NC81	NT30	10.90	DN100	3.58888	0.03	0.43
NC82	NT25	33.75	DN100	1.82603	0.03	0.22
NC83	NC84	42.61	DN100	0.77972	0.01	0.09
NC83	NT27	17.88	DN100	1.35722	0.01	0.16
NC84	NC85	10.37	DN100	0.20222	0.00	0.02
NC85	NC86	35.23	DN100	0.37528	0.00	0.05
NC86	NT28	7.25	DN100	0.00000	0.00	0.00
NC87	NC88	18.57	DN100	0.00000	0.00	0.00
NC87	NT29	26.86	DN100	0.13466	0.00	0.02
NC88	NC89	22.60	DN100	0.39313	0.00	0.05
NC89	NC90	13.93	DN100	0.26836	0.00	0.03
NC90	NT30	25.41	DN100	0.10291	0.00	0.01
NC91	NT31	23.26	DN100	0.25200	0.00	0.03
NC91	NT32	107.19	DN100	0.03992	0.00	0.00
NC92	NC93	10.54	DN100	0.56052	0.00	0.07
NC92	NT33	4.91	DN100	0.57802	0.00	0.07
NC93	NC94	14.91	DN100	0.52552	0.00	0.06

NC94	NC95	14.90	DN100	0.49052	0.00	0.06
NC95	NC96	15.09	DN100	0.45552	0.00	0.05
NC96	NC97	15.08	DN100	0.42052	0.00	0.05
NC97	NC98	15.10	DN100	0.38552	0.00	0.05
NC98	NC99	14.99	DN100	0.35052	0.00	0.04
NC99	NT34	13.03	DN100	0.31552	0.00	0.04
NC100	NC101	10.07	DN100	0.88368	0.00	0.11
NC100	NT35	10.45	DN100	0.90118	0.00	0.11
NC101	NC102	15.08	DN100	0.84868	0.00	0.10
NC103	NC104	15.24	DN100	0.77868	0.00	0.09
NC105	NC106	14.82	DN100	0.04568	0.00	0.01
NC106	NT36	11.82	DN100	0.00000	0.00	0.00
NC107	NC108	15.01	DN100	0.03298	0.00	0.00
NC107	NT37	12.94	DN100	0.06798	0.00	0.01
NC108	NC109	15.05	DN100	0.00000	0.00	0.00
NC109	NC110	15.23	DN100	0.00000	0.00	0.00
NC110	NC111	14.90	DN100	0.00000	0.00	0.00
NC111	NC112	14.93	DN100	0.00000	0.00	0.00
NC112	NC113	14.85	DN100	0.00000	0.00	0.00
NC113	NC114	12.54	DN100	0.00000	0.00	0.00
NC114	NT38	12.09	DN100	0.00000	0.00	0.00
NC115	NC116	15.06	DN100	0.72138	0.00	0.09
NC117	NC118	15.00	DN100	0.79138	0.00	0.09
NC119	NC120	15.01	DN100	0.86137	0.00	0.10
NC121	NC122	14.98	DN100	0.93137	0.00	0.11
NC123	NC124	10.11	DN100	0.00000	0.00	0.00
NC123	NT41	10.42	DN100	0.02194	0.00	0.00
NC124	NC125	15.08	DN100	0.00000	0.00	0.00
NC126	NC127	14.82	DN100	0.10056	0.00	0.01
NC128	NC129	14.91	DN100	0.04720	0.00	0.01
NC129	NT42	11.79	DN100	0.00000	0.00	0.00
NC130	NC131	15.12	DN100	0.09140	0.00	0.01
NC130	NT43	13.07	DN100	0.12640	0.00	0.02
NC132	NC133	14.98	DN100	0.02140	0.00	0.00
NC134	NC135	15.00	DN100	0.04860	0.00	0.01
NC136	NC137	13.25	DN100	0.04650	0.00	0.01
NC137	NT44	10.07	DN100	0.02900	0.00	0.00
NC138	NC139	14.93	DN100	2.01566	0.01	0.24
NC138	NT45	8.36	DN100	1.98066	0.01	0.24
NC139	NC140	15.08	DN100	2.05066	0.01	0.25
NC140	NC141	15.08	DN100	2.08566	0.01	0.25
NC141	NC142	14.90	DN100	2.12066	0.01	0.25
NC142	NC143	14.89	DN100	2.15566	0.02	0.26
NC143	NC144	15.11	DN100	2.19066	0.02	0.26
NC144	NC145	15.10	DN100	2.22566	0.02	0.27
NC145	NC146	15.15	DN100	2.26066	0.02	0.27

NC146	NT46	13.00	DN100	2.29566	0.01	0.28
NC147	NC148	11.73	DN100	0.17660	0.00	0.02
NC147	NT47	8.80	DN100	0.15910	0.00	0.02
NC148	NC149	15.01	DN100	0.21160	0.00	0.03
NC149	NC150	14.96	DN100	0.24660	0.00	0.03
NC150	NC151	15.08	DN100	0.28160	0.00	0.03
NC151	NC152	15.11	DN100	0.31660	0.00	0.04
NC152	NC153	14.82	DN100	0.30960	0.00	0.04
NC153	NT48	11.83	DN100	0.27460	0.00	0.03
NC154	NC155	12.73	DN100	0.00000	0.00	0.00
NC154	NT49	7.71	DN100	0.00000	0.00	0.00
NC155	NC156	14.81	DN100	0.00000	0.00	0.00
NC156	NC157	15.12	DN100	0.02555	0.00	0.00
NC157	NC158	14.98	DN100	0.03988	0.00	0.00
NC158	NC159	14.92	DN100	0.00000	0.00	0.00
NC159	NC160	15.11	DN100	0.00000	0.00	0.00
NC160	NC161	14.99	DN100	0.04896	0.00	0.01
NC161	NT50	15.50	DN100	0.08396	0.00	0.01
NC162	NC163	13.11	DN100	1.53155	0.01	0.18
NC162	NT51	13.79	DN100	1.51405	0.01	0.18
NC164	NC165	15.15	DN100	1.60155	0.01	0.19
NC166	NC167	14.86	DN100	1.67155	0.01	0.20
NC168	NC169	15.00	DN100	1.74155	0.01	0.21
NC170	NC171	14.72	DN100	1.81155	0.01	0.22
NC172	NT52	11.43	DN100	4.15962	0.04	0.50
NC172	NT60	66.00	DN100	4.66962	0.27	0.56
NC173	NC174	10.89	DN100	0.07477	0.00	0.01
NC173	NT53	9.66	DN100	0.09227	0.00	0.01
NC174	NC175	15.17	DN100	0.03977	0.00	0.00
NC176	NC177	15.06	DN100	0.03023	0.00	0.00
NC178	NC179	14.94	DN100	0.03229	0.00	0.00
NC179	NT54	11.53	DN100	0.00000	0.00	0.00
NC180	NT54	10.13	DN100	3.16247	0.02	0.38
NC180	NT64	67.07	DN100	3.47447	0.16	0.42
NC182	NC183	11.28	DN100	0.00000	0.00	0.00
NC182	NT55	9.25	DN100	0.00000	0.00	0.00
NC184	NC185	14.99	DN100	0.00000	0.00	0.00
NC186	NC187	14.86	DN100	0.00000	0.00	0.00
NC188	NC189	14.99	DN100	0.05553	0.00	0.01
NC189	NT56	10.84	DN100	0.09053	0.00	0.01
NC190	NC191	29.77	DN100	1.12575	0.01	0.14
NC191	NT60	27.49	DN100	1.16075	0.01	0.14
NC192	NT61	12.22	DN100	6.62547	0.09	0.80
NC194	NC195	22.66	DN100	1.59385	0.01	0.19
NC194	NT59	34.25	DN100	1.62885	0.02	0.20
NC195	NC196	15.01	DN100	1.55885	0.01	0.19

NC196	NC197	14.88	DN100	1.52385	0.01	0.18
NC197	NC198	15.08	DN100	1.48885	0.01	0.18
NC199	NC262	16.69	DN100	7.05974	0.14	0.85
NC199	NT60	29.17	DN100	7.02473	0.25	0.84
NC200	NT61	12.58	DN100	8.17399	0.14	0.98
NC201	NC202	14.89	DN100	8.24399	0.17	0.99
NC203	NT70	0.87	DN100	6.11828	0.01	0.73
NC204	NC205	17.32	DN100	1.74655	0.01	0.21
NC204	NT62	24.58	DN100	1.71155	0.02	0.21
NC205	NC206	17.34	DN100	1.78155	0.01	0.21
NC206	NC207	17.29	DN100	1.81655	0.01	0.22
NC207	NT71	13.38	DN100	1.85155	0.01	0.22
NC208	NC209	14.91	DN100	1.03311	0.00	0.12
NC208	NT63	12.76	DN100	0.99811	0.00	0.12
NC210	NC211	15.32	DN100	1.10311	0.00	0.13
NC212	NC213	12.05	DN100	1.17311	0.00	0.14
NC213	NT72	8.79	DN100	1.19061	0.00	0.14
NC214	NC215	16.79	DN100	1.15370	0.01	0.14
NC214	NT64	22.86	DN100	1.11870	0.01	0.13
NC215	NC216	17.28	DN100	1.18870	0.01	0.14
NC216	NC217	16.70	DN100	1.22370	0.01	0.15
NC217	NC218	16.85	DN100	1.25870	0.01	0.15
NC218	NC219	16.58	DN100	1.29370	0.01	0.16
NC219	NT73	8.66	DN100	1.31120	0.00	0.16
NC220	NT65	12.78	DN100	1.28010	0.01	0.15
NC221	NC222	14.79	DN100	1.35010	0.01	0.16
NC223	NC224	15.10	DN100	1.42010	0.01	0.17
NC225	NC226	14.93	DN100	1.49010	0.01	0.18
NC227	NT74	7.89	DN100	1.56010	0.00	0.19
NC228	NC229	16.18	DN100	4.17046	0.05	0.50
NC228	NT66	13.53	DN100	4.15297	0.04	0.50
NC231	NC232	16.69	DN100	4.27546	0.06	0.51
NC233	NC234	16.63	DN100	4.34546	0.06	0.52
NC235	NC236	16.64	DN100	4.41546	0.06	0.53
NC237	NC238	14.96	DN100	4.20256	0.05	0.50
NC237	NT67	12.82	DN100	4.16756	0.04	0.50
NC238	NC239	14.97	DN100	4.23756	0.05	0.51
NC239	NC240	15.07	DN100	4.27256	0.05	0.51
NC240	NC241	14.91	DN100	4.30756	0.05	0.52
NC241	NC242	14.82	DN100	4.34256	0.05	0.52
NC242	NC243	15.02	DN100	4.37756	0.05	0.53
NC243	NC244	14.96	DN100	4.41256	0.05	0.53
NC244	NC245	14.96	DN100	4.44756	0.06	0.53
NC245	NC246	14.93	DN100	4.48256	0.06	0.54
NC246	NC247	15.15	DN100	4.51756	0.06	0.54
NC247	NC248	14.68	DN100	4.55256	0.06	0.55

NC248	NT76	6.24	DN100	4.58756	0.02	0.55
NC249	NT68	21.13	DN100	3.48861	0.05	0.42
NC253	NC254	16.59	DN100	3.66361	0.04	0.44
NC255	NC256	16.31	DN100	3.73361	0.04	0.45
NC257	NC258	16.39	DN100	3.80361	0.05	0.46
NC259	NC260	16.33	DN100	3.87361	0.05	0.46
NC261	NT79	7.52	DN100	3.94361	0.02	0.47
NC262	NT69	2.12	DN100	7.09474	0.02	0.85
NC263	NT58	3.32	DN100	0.94326	0.00	0.11
NT1	NT2	41.50	DN150	4.87196	0.03	0.26
NT3	NT4	27.71	DN100	1.20179	0.01	0.14
NT5	NT6	15.71	DN100	1.27371	0.01	0.15
NT8	SG1	137.03	DN200	68.04651	2.69	2.09
NT9	NT10	25.53	DN150	7.01756	0.03	0.38
NT9	NT18	38.82	DN250	13.99217	0.01	0.28
NT11	NT12	8.69	DN100	4.24750	0.03	0.51
NT12	NT13	25.40	DN100	2.35011	0.03	0.28
NT14	NT23	37.00	DN100	0.10690	0.00	0.01
NT15	NT16	15.70	DN100	1.16364	0.01	0.14
NT15	NT24	40.35	DN100	2.35095	0.05	0.28
NT16	NT25	40.35	DN100	1.40192	0.02	0.17
NT17	NT26	38.84	DN100	2.87482	0.07	0.35
NT22	NT23	11.33	DN100	0.20224	0.00	0.02
NT24	NT25	15.70	DN100	0.07645	0.00	0.01
NT26	NT32	22.79	DN100	0.86577	0.00	0.10
NT27	NT33	15.31	DN100	0.51533	0.00	0.06
NT27	NT97	25.95	DN150	1.38909	0.00	0.08
NT28	NT29	25.40	DN100	0.71303	0.00	0.09
NT28	NT34	14.40	DN100	4.01490	0.04	0.48
NT29	NT35	14.40	DN100	0.51943	0.00	0.06
NT30	NT31	14.40	DN100	0.09410	0.00	0.01
NT30	NT36	14.40	DN100	3.61764	0.04	0.43
NT31	NT37	14.40	DN100	1.42773	0.01	0.17
NT32	NT38	14.69	DN100	2.07202	0.01	0.25
NT34	NT40	49.00	DN100	0.25500	0.00	0.03
NT35	NT41	49.00	DN100	3.11744	0.10	0.37
NT36	NT42	49.00	DN100	3.75033	0.13	0.45
NT40	NT41	25.40	DN100	0.81629	0.00	0.10
NT41	NT47	11.40	DN100	1.32456	0.00	0.16
NT42	NT43	14.40	DN80	0.19900	0.00	0.04
NT42	NT48	11.40	DN80	2.73452	0.05	0.50

NT43	NT49	11.40	DN100	0.58450	0.00	0.07
NT44	NT50	11.42	DN100	2.21570	0.01	0.27
NT46	NT52	49.00	DN100	2.29566	0.06	0.28
NT48	NT54	49.00	DN100	3.88144	0.14	0.47
NT57	NT58	25.07	DN150	0.85182	0.00	0.05
NT57	NT82	92.44	DN250	27.60138	0.12	0.54
NT58	NT59	34.49	DN100	0.87307	0.01	0.10
NT60	NT61	25.91	DN100	0.06867	0.00	0.01
NT62	NT63	9.49	DN100	0.11325	0.00	0.01
NT64	NT65	14.53	DN80	0.04040	0.00	0.01
NT65	NT66	49.45	DN100	0.09762	0.00	0.01
NT66	NT67	9.42	DN100	0.00000	0.00	0.00
NT67	NT68	53.79	DN100	2.95210	0.10	0.35
NT69	NT81	11.78	DN100	16.04390	0.45	1.93
NT70	NT81	13.62	DN100	14.52914	0.43	1.74
NT71	NT72	9.20	DN100	2.60177	0.01	0.31
NT75	NT80	5.95	DN100	11.43372	0.12	1.37
NT76	NT80	5.95	DN100	8.53117	0.07	1.02
NT78	NT79	16.02	DN100	3.94361	0.05	0.47
NT80	SG2	30.07	DN150	20.05641	0.25	1.09
NT81	SG3	38.53	DN150	31.75081	0.74	1.72
NT82	NT83	29.12	DN250	27.60139	0.04	0.54
NT83	NT84	34.65	DN250	27.60138	0.04	0.54
NT84	NT85	26.41	DN250	27.60139	0.03	0.54
NT85	NT86	185.68	DN250	27.60137	0.24	0.54
NT86	NT87	82.40	DN250	27.60138	0.10	0.54
NT87	NT89	23.72	DN250	27.60139	0.03	0.54
NT89	NT90	59.94	DN250	27.60138	0.08	0.54
NT90	NT91	88.50	DN250	27.60138	0.11	0.54
NT91	NT92	102.27	DN250	27.60137	0.13	0.54
NT92	NT93	39.08	DN250	27.60138	0.05	0.54
NT93	NT94	27.64	DN250	27.60139	0.04	0.54
NT94	SG4	16.46	DN250	27.60139	0.02	0.54



PROMOTOR:

AGRUPACION DE INTERES URBANISTICO DEL
SECTOR S.1.05-b DEL PGM DE CÁCERES

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PROYECTO:

**PROYECTO DE CONSTRUCCIÓN DE URBANIZACIÓN
SECTOR S.1.05-b MONTESOL III EN CACERES**

DESIGNACION DEL PLANO:

ANEJO 11. ABASTECIMIENTO

PLAN DE CONSUMO

EXPEDIENTE: P2015-012
ESCALAS:
FECHA: MARZO 2017
REVISADO: Modificado Nº2

Nº PLANO:

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HOJA 1 DE 1